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COMMITTEE OF EXPERTS ON THE TRANSPORT OF DANGEROUS GOODS

Sub-Committee of Experts on the Transport of Dangerous Goods
(Fourteenth session, Geneva, 8-18 December 1997, agenda item 2 (a))

DRAFT AMENDMENTS TO THE MODEL REGULATIONS ON THE TRANSPORT OF DANGEROUS GOODS

Tanks

Tank Coding and Implementing the Rationalized Approach

Transmitted by the Expert from the United States of America

1. During its thirteenth session, the Sub-Committee agreed that the rationalized approach for the assignment of portable tank requirements should be incorporated into the Model Regulation. The expert from the United States agreed to develop the necessary amendments in a proposal for consideration at the fourteenth session of the Sub-Committee. This proposal includes the necessary amendments to Part 4 to incorporate the rationalized approach for portable tanks in the Model Regulation.

2. On the basis of the rationalized approach, the expert from the United States reviewed the T codes currently in 4.2.4.2.6 of the Model Regulation. It was determined that only 14 T codes are necessary. Unnecessary T codes are proposed to be deleted and the remaining codes are proposed to be renumbered. Additionally, the expert from the United States reviewed the portable tank special provisions (TP notes). Consequential amendments to Part 4 are also proposed. The revised T codes (portable tank types) consequential amendments and proposed amendments to the portable tank special provisions are shown in Annex of this proposal.

3. On the basis of the revised T codes, the portable tank hierarchy (see 4.2.4.2.5) is proposed to be revised (see Annex).

4. A revised Dangerous Goods List incorporating the revised T codes consistent with the rationalized approach will be developed. In applying the rationalized approach, when substances are found to be assigned to portable tanks with higher minimum test pressures than that corresponding to the rationalized approach, the higher test pressures will be maintained (i.e. 6 bar min. Test pressure for Isohexene, UN 2288). The revised Dangerous goods list will be provided to the Secretariat and a list of the proposed amendments will be made available as an information document for those delegates wishing to review it at the fourteenth session of the Sub-Committee. Proposed amendments to the Dangerous Goods List will be mailed to heads of delegations prior to the fourteenth session

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Annex

The following is a list of existing T Codes (Tenth Revised Edition) which are used in the Rationalized Approach for Portable Tanks.

T1, T2, T3, T4, T6, T13, T19, T20, T24, T25, T29, T32, T33 and T34
* *T6 is used for Class 7, UN 332,3321 and 2912. Class 7 is not covered by the rationalized approach.*

The following is a list of existing T Codes (Tenth Revised Edition) which are no longer necessary on the basis of the Rationalized Approach for Portable Tanks.

T5, T7-T12, T14-T18, T21-T23, T25-T28 and T30-T31

It is proposed that the revised T Codes be renumbered as follows:
* *1st column old code, 2nd column new code*

T1 ⇨ T1	T20 ⇨ T8
T2 ⇨ T2	T24 ⇨ T9
T3 ⇨ T3	T25 ⇨ T10
T4 ⇨ T4	T29 ⇨ T11
T6 ⇨ T5	T32 ⇨ T15*
T13 ⇨ T6	T33 ⇨ T16*
T19 ⇨ T7	T34 ⇨ T20*

* *These are numbered accordingly to allow for additional T Codes if necessary. For instance on the basis of ST SG AC.10 C.3 1997 20 the expert from the United States proposed two additional T Codes for toxic by inhalation substances.*

The following is a proposed revised hierarchy table to replace the existing table in 4.2.4.2.5:

Portable tank instruction specified	Portable tank instructions also permitted
T1	T2, T3, T4, T5, T6, T7, T8, T9, T10, T11, T15, T16
T2	T4, T5, T6, T7, T8, T9, T10, T11, T15, T16
T3	T4, T5, T6, T7, T8, T9, T10, T11, T15, T16
T4	T5, T6, T7, T8, T9, T10, T15, T16
T5	T8, T11, T16
T6	T7, T8, T9, T10, T11, T15, T16
T7	T8, T11, T15, T16
T8	T11, T15, T16
T9	T10, T11, T15, T16
T10	T11, T16
T15	T16
T16	None
T20	None

It is proposed that the list of Portable tank instructions in 4.2.4.2.6 be revised as follows:

4.2.4.2.6 Portable tank instructions

T1 - T16	PORTABLE TANK INSTRUCTIONS			T1 -T16
These portable tank instructions apply to liquid and solid substances of Classes 3 to 9. The general provisions of section 4.2.1 and the requirements of section 6.6.2 shall be met.				
Portable tank instruction	**Minimum test pressure (bar)**	**Minimum shell thickness (in mm-reference steel) (see 6.2.4)**	**Bottom opening requirements (see 6.6.2.6)**	**Pressure-relief requirements (see 6.6.2.8)**
T1	1.5	See 6.6.2.4.2	See 6.6.2.6.2	Normal
T2	1.5	See 6.6.2.4.2	See 6.6.2.6.3	Normal
T3	2.65	See 6.6.2.4.2	See 6.6.2.6.2	Normal
T4	2.65	See 6.6.2.4.2	See 6.6.2.6.3	Normal
T5	2.65	See 6.6.2.4.2	Not Allowed	See 6.6.2.8.3
T6	4	See 6.6.2.4.2	See 6.6.2.6.3	Normal
T7	4	6mm	Not allowed	Normal
T8	4	6mm	Not allowed	See 6.6.2.8.3
T9	6	See 6.6.2.4.2	See 6.6.2.6.3	Normal
T10	6	See 6.6.2.4.2	See 6.6.2.6.3	See 6.6.2.8.3
T11	6	6mm	Not allowed	See 6.6.2.8.3
T15	10	10mm	Not allowed	Normal
T16	10	10mm	Not allowed	See 6.6.2.8.3

Consequential amendments to Part 4 are proposed as follows:

In 4.2.1.1, (T1-T34)" in the fifth line should be changed to "(T1-T20)".

In 4.2.1.13.15, "T34" should be changed to "T20".

In 4.2.4.1.1, "(T1-T36)" in the third line should be changed to "(T1-T75)".

In 4.2.4.2.2, "(T1-T34)" in the first line should be changed to "(T1-T20)". In the third line, "T34" should be changed to "T20".

In the table for T34, "T34" should be changed to "T20".

Amendments to the portable tank special provisions are proposed as follows:

In accordance with the rationalized approach TP 11 and TP 15 should be deleted.

TP 14 should be deleted since alll substances assigned to TP 14 are required to be transported in portable tanks with a minimum test pressure of 10 bar.

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COMMITTEE OF EXPERTS ON THE
TRANSPORT OF DANGEROUS GOODS

Sub-Committee of Experts on the
Transport of Dangerous Goods
(Fourteenth session,
Geneva, 8-18 December 1997,
agenda item 2 (a))

DRAFT AMENDMENTS TO THE MODEL REGULATIONS ON THE TRANSPORT OF DANGEROUS GOODS

Tanks

Tank Coding and Implementing the Rationalized Approach

Requirements for Portable Tanks

Transmitted by the Expert from the United States of America

Background

During its thirteenth session, the Sub-Committee agreed that the portable tank requirements should be assigned to substances on the basis of the rationalized approach as set out in the Model Regulation. The expert from the United States agreed to develop the necessary amendments in a proposal for consideration at the fourteenth session of the Sub-Committee.

In ST/SG/AC.10/C.3./1997/88 the expert from the United States proposed amendments to the portable tank instructions and special provisions including the T-Codes designations and hierarchy in Part 4 of the Model regulations on the basis of the rationalized approach. In the proposal it was stated that proposed amendments to the Dangerous Goods List would be provided as an information document for the fourteenth session of the Sub-Committee. The attached document provides a listing of the proposed amendments to the Dangerous Goods list necessary to align the T-Codes in column 10 with the rationalized approach. This listing can be used by the Secretariat to amend the Dangerous Goods List. Delegates are invited to review the list and provide comments as appropriate.

GE.97-24386

Sorted by Class, Packing Group, and Sub-Risk

UN #	NAME	CLASS	PG	SUB-RISK	OLD T-CODE	RAT.APP. CODE	TP NOTE
1089	ACETALDEHYDE	3	I		T28	T9	TP2 TP7
1108	1-PENTENE (n-AMYLENE)	3	I		T13	T9	TP2
1133	ADHESIVES containing flammable liquid	3	I		T4	T9	TP1 TP8
1139	COATING SOLUTION (includes surface treatments or coatings used for industrial or other purposes such as vehicle undercoating, drum or barrel lining)	3	I		T4	T9	TP1 TP8
1144	CROTONYLENE	3	I		T24	T9	TP2
1155	DIETHYL ETHER (ETHYL ETHER)	3	I		T26	T9	TP2
1167	DIVINYL ETHER, INHIBITED	3	I		T13	T9	TP2
1210	PRINTING INK, flammable	3	I		T4	T9	TP1 TP8
1218	ISOPRENE, INHIBITED	3	I		T24	T9	TP2
1243	METHYL FORMATE	3	I		T24	T9	TP2
1263	PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning or reducing compound)	3	I		T4	T9	TP1 TP8
1265	PENTANES, liquid	3	I		T24	T9	TP2
1267	PETROLEUM CRUDE OIL	3	I		T4	T9	TP1 TP8
1268	PETROLEUM DISTILLATES, N.O.S. or PETROLEUM PRODUCTS, N.O.S.	3	I		T4	T9	TP1 TP8 TP9
1280	PROPYLENE OXIDE	3	I		T24	T9	TP2 TP7
1302	VINYL ETHYL ETHER, INHIBITED	3	I		T13	T9	TP2
1303	VINYLIDENE CHLORIDE, INHIBITED	3	I		T25	T9	TP2 TP7
1863	FUEL, AVIATION, TURBINE ENGINE	3	I		T4	T9	TP1 TP8
1866	RESIN SOLUTION, flammable	3	I		T4	T9	TP1 TP8
1989	ALDEHYDES, N.O.S.	3	I		T4	T9	TP1 TP9
1993	FLAMMABLE LIQUID, N.O.S.	3	I		T4	T9	TP1 TP9
2059	NITROCELLULOSE SOLUTION, FLAMMABLE with not more than 12.6% nitrogen, by dry mass, and not more than 55% nitrocellulose	3	I		T4	T9	TP1 TP8 TP9
2356	2-CHLOROPROPANE	3	I		T13	T9	TP2 TP13
2363	ETHYL MERCAPTAN	3	I		T26	T9	TP2 TP13
2371	ISOPENTENES	3	I		T24	T9	TP2

UN #	NAME	CLASS	PG	SUB-RISK	OLD T-CODE	RAT.APP. CODE	TP NOTE
2389	FURAN	3	I		T16	T9	TP2 TP13
2456	2-CHLOROPROPENE	3	I		T24	T9	TP2
2459	2-METHYL-1-BUTENE	3	I		T13	T9	TP2
2561	3-METHYL-1-BUTENE	3	I		T24	T9	TP2
2749	TETRAMETHYLSILANE	3	I		T29	T9	TP2
3295	HYDROCARBONS, LIQUID, N.O.S.	3	I		T4	T9	TP1 TP8 TP9
3336	MERCAPTANS, LIQUID, FLAMMABLE, N.O.S. or MERCAPTAN MIXTURE, LIQUID, FLAMMABLE, N.O.S.	3	I		T28	T9	TP2
1093	ACRYLONITRILE, INHIBITED	3	I	6.1	T20	T9	TP2
1099	ALLYL BROMIDE	3	I	6.1	T16	T9	TP2 TP13
1100	ALLYL CHLORIDE	3	I	6.1	T20	T9	TP2 TP13
1131	CARBON DISULPHIDE	3	I	6.1	T20	T9	TP2 TP7 TP13
1921	PROPYLENEIMINE, INHIBITED	3	I	6.1	T29	T11[T9?]	TP2
1991	CHLOROPRENE, INHIBITED	3	I	6.1	T15	T9	TP2 TP6 TP13
1992	FLAMMABLE LIQUID, TOXIC, N.O.S.	3	I	6.1	T16	T9	TP2 TP9
2336	ALLYL FORMATE	3	I	6.1	T20	T9	TP2 TP13
2481	ETHYL ISOCYANATE	3	I	6.1	T20	PIH*	TP2 TP13
2483	ISOPROPYL ISOCYANATE	3	I	6.1	T20	PIH*	TP2 TP13
2605	METHOXYMETHYL ISOCYANATE	3	I	6.1	T20	PIH*	TP2 TP13
2983	ETHYLENE OXIDE AND PROPYLENE OXIDE MIXTURE, not more than 30% ethylene oxide	3	I	6.1	T27	T9[?]	TP2
3079	METHACRYLONITRILE, INHIBITED	3	I	6.1		PIH*	
3273	NITRILES, FLAMMABLE, TOXIC, N.O.S.	3	I	6.1	T13	T9	TP2 TP9
3286	FLAMMABLE LIQUID, TOXIC, CORROSIVE, N.O.S.	3	I	6.1, 8	T13	T9	TP2 TP9 TP13
1221	ISOPROPYLAMINE	3	I	8	T24	T9	TP2
1250	METHYLTRICHLOROSILANE	3	I	8	T17	T9	TP2 TP13
1297	TRIMETHYLAMINE, AQUEOUS SOLUTION, not more than 50% trimethylamine, by mass	3	I	8	T13	T9	TP1
1305	VINYLTRICHLOROSILANE, INHIBITED	3	I	8	T17	T9	TP2 TP13
2733	AMINES, FLAMMABLE, CORROSIVE, N.O.S. or POLYAMINES, FLAMMABLE, CORROSIVE, N.O.S.	3	I	8	T4	T9	TP1 TP9

UN #	NAME	CLASS	PG	SUB-RISK	OLD T-CODE	RAT.APP. CODE	TP NOTE
2924	FLAMMABLE LIQUID, CORROSIVE, N.O.S.	3	I	8	T19	T9	TP2 TP9
1088	ACETAL	3	II		T4	T4	TP1
1090	ACETONE	3	II		T4	T4	TP1
1091	ACETONE OILS	3	II		T4	T4	TP1 TP8
1105	PENTANOLS	3	II		T2	T4	TP1
1107	AMYL CHLORIDE	3	II		T2	T4	TP1
1111	AMYL MERCAPTAN	3	II		T4	T4	TP1
1113	AMYL NITRITE	3	II		T4	T4	TP1
1114	BENZENE	3	II		T4	T4	TP1
1120	BUTANOLS	3	II		T2	T4	TP1
1123	BUTYL ACETATES	3	II		T2	T4	TP1
1126	1-BROMOBUTANE	3	II		T2	T4	TP1
1127	CHLOROBUTANES	3	II		T4	T4	TP1
1128	n-BUTYL FORMATE	3	II		T2	T4	TP1
1129	BUTYRALDEHYDE	3	II		T4	T4	TP1
1133	ADHESIVES containing flammable liquid	3	II		T4	T4	TP1 TP8
1136	COAL TAR DISTILLATES, FLAMMABLE	3	II		T4	T4	TP1 TP7
1139	COATING SOLUTION (includes surface treatments or coatings used for industrial or other purposes such as vehicle undercoating, drum or barrel lining)	3	II		T4	T4	TP1 TP8
1145	CYCLOHEXANE	3	II		T4	T4	TP1
1146	CYCLOPENTANE	3	II		T13	T6	TP1
1148	DIACETONE ALCOHOL	3	II		T2	T4	TP1
1150	1,2-DICHLOROETHYLENE	3	II		T13	T6	TP2
1156	DIETHYL KETONE	3	II		T2	T4	TP1
1159	DIISOPROPYL ETHER	3	II		T4	T4	TP1
1161	DIMETHYL CARBONATE	3	II		T4	T4	TP1
1164	DIMETHYL SULPHIDE	3	II		T13	T6	TP2
1165	DIOXANE	3	II		T4	T4	TP1
1166	DIOXOLANE	3	II		T4	T4	TP1
1169	EXTRACTS, AROMATIC, LIQUID	3	II		T4	T4	TP1 TP8
1170	ETHANOL (ETHYL ALCOHOL) or ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)	3	II		T2	T4	TP1
1173	ETHYL ACETATE	3	II		T2	T4	TP1
1175	ETHYLBENZENE	3	II		T2	T4	TP1
1176	ETHYL BORATE	3	II		T4	T4	TP1
1178	2-ETHYLBUTYRALDEHYDE	3	II		T2	T4	TP1
1179	ETHYL BUTYL ETHER	3	II		T2	T4	TP1
1190	ETHYL FORMATE	3	II		T4	T4	TP1

UN #	NAME	CLASS	PG	SUB-RISK	OLD T-CODE	RAT.APP. CODE	TP NOTE
1193	ETHYL METHYL KETONE (METHYL ETHYL KETONE)	3	II		T4	T4	TP1
1195	ETHYL PROPIONATE	3	II		T2	T4	TP1
1197	EXTRACTS, FLAVOURING, LIQUID	3	II		T4	T4	TP1 TP8
1201	FUSEL OIL	3	II		T2	T4	TP1
1203	MOTOR SPIRIT or GASOLINE or PETROL	3	II		T4	T4	TP1
1206	HEPTANES	3	II		T2	T4	TP1
1208	HEXANES	3	II		T4	T4	TP1
1210	PRINTING INK, flammable	3	II		T4	T4	TP1 TP8
1213	ISOBUTYL ACETATE	3	II		T2	T4	TP1
1216	ISOOCTENE	3	II		T4	T4	TP1
1219	ISOPROPANOL (ISOPROPYL ALCOHOL)	3	II		T2	T4	TP1
1220	ISOPROPYL ACETATE	3	II		T2	T4	TP1
1224	KETONES, LIQUID, N.O.S.	3	II		T4	T4	TP1 TP8
1231	METHYL ACETATE	3	II		T4	T4	TP1
1234	METHYLAL	3	II		T13	T4	TP2
1237	METHYL BUTYRATE	3	II		T2	T4	TP1
1245	METHYL ISOBUTYL KETONE	3	II		T2	T4	TP1
1246	METHYL ISOPROPENYL KETONE, INHIBITED	3	II		T4	T4	TP1
1247	METHYL METHACRYLATE MONOMER, INHIBITED	3	II		T4	T4	TP1
1248	METHYL PROPIONATE	3	II		T2	T4	TP1
1249	METHYL PROPYL KETONE	3	II		T2	T4	TP1
1262	OCTANES	3	II		T2	T4	TP1
1263	PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning or reducing compound)	3	II		T4	T4	TP1 TP8
1265	PENTANES, liquid	3	II		T 4	T4	TP 1
1266	PERFUMERY PRODUCTS with flammable solvents	3	II		T4	T4	TP1 TP8
1267	PETROLEUM CRUDE OIL	3	II		T4	T4	TP1 TP8
1268	PETROLEUM DISTILLATES, N.O.S. or PETROLEUM PRODUCTS, N.O.S.	3	II		T4	T4	TP1 TP8 TP9
1274	n-PROPANOL (PROPYL ALCOHOL, NORMAL)	3	II		T2	T4	TP1
1275	PROPIONALDEHYDE	3	II		T13	T6	TP1
1276	n-PROPYL ACETATE	3	II		T2	T4	TP1

UN #	NAME	CLASS	PG	SUB-RISK	OLD T-CODE	RAT.APP. CODE	TP NOTE
1278	PROPYL CHLORIDE	3	II		T13	T6	TP2
1279	1,2-DICHLOROPROPANE	3	II		T2	T4	TP1
1281	PROPYL FORMATES	3	II		T4	T4	TP1
1282	PYRIDINE	3	II		T4	T4	TP2
1286	ROSIN OIL	3	II		T2	T4	TP1
1287	RUBBER SOLUTION	3	II		T4	T4	TP1 TP8
1288	SHALE OIL	3	II		T4	T4	TP1 TP8
1293	TINCTURES, MEDICINAL	3	II		T4	T4	TP1 TP8
1294	TOLUENE	3	II		T2	T4	TP1
1300	TURPENTINE SUBSTITUTE	3	II		T2	T4	TP1
1301	VINYL ACETATE, INHIBITED	3	II		T4	T4	TP1
1304	VINYL ISOBUTYL ETHER, INHIBITED	3	II		T4	T4	TP1
1306	WOOD PRESERVATIVES, LIQUID	3	II		T4	T4	TP1 TP8
1307	XYLENES	3	II		T2	T4	TP1
1648	ACETONITRILE	3	II		T13	T6	TP2
1862	ETHYL CROTONATE	3	II		T13	T4	TP2
1863	FUEL, AVIATION, TURBINE ENGINE	3	II		T4	T4	TP1 TP8
1866	RESIN SOLUTION, flammable	3	II		T4	T4	TP1 TP8
1917	ETHYL ACRYLATE, INHIBITED	3	II		T4	T4	TP1 TP13
1919	METHYL ACRYLATE, INHIBITED	3	II		T4	T4	TP1 TP13
1987	ALCOHOLS, N.O.S.	3	II		T4	T4	TP1 TP8
1989	ALDEHYDES, N.O.S.	3	II		T4	T4	TP1
1993	FLAMMABLE LIQUID, N.O.S.	3	II		T4	T4	TP1
1999	TARS, LIQUID, including road asphalt and oils, bitumen and cut backs	3	II		T2	T4	TP1
2045	ISOBUTYRALDEHYDE (ISOBUTYL ALDEHYDE)	3	II		T4	T4	TP1
2047	DICHLOROPROPENES	3	II		T4	T4	TP1
2050	DIISOBUTYLENE, ISOMERIC COMPOUNDS	3	II		T2	T4	TP1
2056	TETRAHYDROFURAN	3	II		T4	T4	TP1
2057	TRIPROPYLENE	3	II		T2	T4	TP1
2058	VALERALDEHYDE	3	II		T2	T4	TP1
2059	NITROCELLULOSE SOLUTION, FLAMMABLE with not more than 12.6% nitrogen, by dry mass, and not more than 55% nitrocellulose	3	II		T4	T4	TP1 TP8
2241	CYCLOHEPTANE	3	II		T2	T4	TP1
2242	CYCLOHEPTENE	3	II		T4	T4	TP1
2246	CYCLOPENTENE	3	II		T13	T6	TP2
2252	1,2-DIMETHOXYETHANE	3	II		T2	T4	TP1
2256	CYCLOHEXENE	3	II		T4	T4	TP1

UN #	NAME	CLASS	PG	SUB-RISK	OLD T-CODE	RAT.APP. CODE	TP NOTE
2263	DIMETHYLCYCLOHEXANES	3	II		T2	T4	TP1
2277	ETHYL METHACRYLATE	3	II		T2	T4	TP1
2278	n-HEPTENE	3	II		T4	T4	TP1
2287	ISOHEPTENE	3	II		T4	T4	TP1
2288	ISOHEXENE	3	II		T24	T9	TP1
2296	METHYLCYCLOHEXANE	3	II		T2	T4	TP1
2298	METHYLCYCLOPENTANE	3	II		T4	T4	TP1
2301	2-METHYLFURAN	3	II		T4	T4	TP1
2309	OCTADIENE	3	II		T2	T4	TP1
2338	BENZOTRIFLUORIDE	3	II		T2	T4	TP1
2339	2-BROMOBUTANE	3	II		T2	T4	TP1
2340	2-BROMOETHYL ETHYL ETHER	3	II		T4	T4	TP1
2342	BROMOMETHYLPROPANES	3	II		T4	T4	TP1
2343	2-BROMOPENTANE	3	II		T2	T4	TP1
2344	BROMOPROPANES	3	II		T4	T4	TP1
2345	3-BROMOPROPYNE	3	II		T4	T4	TP1
2346	BUTANEDIONE	3	II		T2	T4	TP1
2347	BUTYL MERCAPTAN	3	II		T4	T4	TP1
2350	BUTYL METHYL ETHER	3	II		T4	T4	TP1
2351	BUTYL NITRITES	3	II		T4	T4	TP1
2352	BUTYL VINYL ETHER, INHIBITED	3	II		T4	T4	TP1
2358	CYCLOOCTATETRAENE	3	II		T4	T4	TP1
2362	1,1-DICHLOROETHANE	3	II		T4	T4	TP1
2367	alpha-METHYLVALERALDEHYDE	3	II		T2	T4	TP1
2370	1-HEXENE	3	II		T4	T4	TP1
2372	1,2-DI-(DIMETHYLAMINO) ETHANE	3	II		T4	T4	TP1
2373	DIETHOXYMETHANE	3	II		T4	T4	TP1
2374	3,3-DIETHOXYPROPENE	3	II		T2	T4	TP1
2375	DIETHYL SULPHIDE	3	II		T13	T6	TP1 TP13
2376	2,3-DIHYDROPYRAN	3	II		T4	T4	TP1
2377	1,1-DIMETHOXYETHANE	3	II		T13	T6	TP1
2380	DIMETHYLDIETHOXYSILANE	3	II		T4	T4	TP1
2381	DIMETHYL DISULPHIDE	3	II		T4	T4	TP1
2384	DI-n-PROPYL ETHER	3	II		T2	T4	TP1
2385	ETHYL ISOBUTYRATE	3	II		T2	T4	TP1
2387	FLUOROBENZENE	3	II		T4	T4	TP1
2388	FLUOROTOLUENES	3	II		T4	T4	TP1
2390	2-IODOBUTANE	3	II		T4	T4	TP1
2391	IODOMETHYLPROPANES	3	II		T4	T4	TP1
2393	ISOBUTYL FORMATE	3	II		T2	T4	TP1
2397	3-METHYLBUTAN-2-ONE	3	II		T2	T4	TP1

UN #	NAME	CLASS	PG	SUB-RISK	OLD T-CODE	RAT.APP. CODE	TP NOTE
2398	METHYL tert-BUTYL ETHER	3	II		T13	T6	TP1
2400	METHYL ISOVALERATE	3	II		T2	T4	TP1
2402	PROPANETHIOLS	3	II		T4	T4	TP1 TP13
2403	ISOPROPENYL ACETATE	3	II		T2	T4	TP1
2406	ISOPROPYL ISOBUTYRATE	3	II		T2	T4	TP1
2409	ISOPROPYL PROPIONATE	3	II		T2	T4	TP1
2410	1,2,3,6-TETRAHYDROPYRIDINE	3	II		T4	T4	TP1
2412	TETRAHYDROTHIOPHENE	3	II		T4	T4	TP1
2414	THIOPHENE	3	II		T2	T4	TP1
2416	TRIMETHYL BORATE	3	II		T13	T6	TP1
2436	THIOACETIC ACID	3	II		T4	T4	TP1
2457	2,3-DIMETHYLBUTANE	3	II		T13	T6	TP1
2458	HEXADIENE	3	II		T4	T4	TP1
2460	2-METHYL-2-BUTENE	3	II		T13	T6	TP1
2461	METHYLPENTADIENE	3	II		T4	T4	TP1
2536	METHYLTETRAHYDROFURAN	3	II		T4	T4	TP1
2554	METHYLALLYL CHLORIDE	3	II		T4	T4	TP1 TP13
2612	METHYL PROPYL ETHER	3	II		T13	T6	TP2
2615	ETHYL PROPYL ETHER	3	II		T4	T4	TP1
2616	TRIISOPROPYL BORATE	3	II		T4	T4	TP1
2707	DIMETHYLDIOXANES	3	II		T4	T4	TP1
2838	VINYL BUTYRATE, INHIBITED	3	II		T4	T4	TP1
3022	1,2-BUTYLENE OXIDE, STABILIZED	3	II		T4	T4	TP1
3065	ALCOHOLIC BEVERAGES, with more than 70% alcohol by volume	3	II		T2	T4	TP1
3271	ETHERS, N.O.S.	3	II		T4	T4	TP1 TP8
3272	ESTERS, N.O.S.	3	II		T4	T4	TP1 TP8
3295	HYDROCARBONS, LIQUID, N.O.S.	3	II		T4	T4	TP1 TP8
3336	MERCAPTANS, LIQUID, FLAMMABLE, N.O.S. or MERCAPTAN MIXTURE, LIQUID, FLAMMABLE, N.O.S.	3	II		T4	T4	TP1
1184	ETHYLENE DICHLORIDE	3	II	6.1	T13	T6	TP1
1228	MERCAPTANS, LIQUID, FLAMMABLE, TOXIC, N.O.S. or MERCAPTAN MIXTURE, LIQUID, FLAMMABLE, TOXIC, N.O.S.	3	II	6.1	T13	T6	TP2
1230	METHANOL	3	II	6.1	T4	T6	TP2
1992	FLAMMABLE LIQUID, TOXIC, N.O.S.	3	II	6.1	T16	T6	TP2
2284	ISOBUTYRONITRILE	3	II	6.1	T14	T6	TP2 TP13
2333	ALLYL ACETATE	3	II	6.1	T4	T6	TP1 TP13
2335	ALLYL ETHYL ETHER	3	II	6.1	T4	T6	TP1 TP13

UN #	NAME	CLASS	PG	SUB-RISK	OLD T-CODE	RAT.APP. CODE	TP NOTE
2354	CHLOROMETHYL ETHYL ETHER	3	II	6.1	T4	T6	TP1 TP13
2360	DIALLYL ETHER	3	II	6.1	T4	T6	TP1 TP13
2378	2-DIMETHYLAMINOACETO-NITRILE	3	II	6.1	T4	T6	TP1
2396	METHACRYLALDEHYDE, INHIBITED	3	II	6.1	T4	T6	TP1 TP13
2404	PROPIONITRILE	3	II	6.1	T13	T6	TP1 TP13
2411	BUTYRONITRILE	3	II	6.1	T13	T6	TP1 TP13
2478	ISOCYANATES, FLAMMABLE, TOXIC, N.O.S. or ISOCYANATE SOLUTION, FLAMMABLE, TOXIC, N.O.S.	3	II	6.1	T15	T6	TP2 TP13
2486	ISOBUTYL ISOCYANATE	3	II	6.1	T5	PIH*	TP2 TP13
2603	CYCLOHEPTATRIENE	3	II	6.1	T13	T6	TP1 TP13
2622	GLYCIDALDEHYDE	3	II	6.1	T4	T6	TP1
3273	NITRILES, FLAMMABLE, TOXIC, N.O.S.	3	II	6.1	T13	T6	TP2
2359	DIALLYLAMINE	3	II	6.1, 8	T4	T6	TP1
3286	FLAMMABLE LIQUID, TOXIC, CORROSIVE, N.O.S.	3	II	6.1, 8	T13	T6	TP2 TP13
1106	AMYLAMINE	3	II	8	T2	T6	TP1
1125	n-BUTYLAMINE	3	II	8	T4	T6	TP1
1154	DIETHYLAMINE	3	II	8	T4	T6	TP1
1158	DIISOPROPYLAMINE	3	II	8	T4	T6	TP1
1160	DIMETHYLAMINE AQUEOUS SOLUTION	3	II	8	T4	T6	TP1
1162	DIMETHYLDICHLOROSILANE	3	II	8	T19	T6	TP2 TP13
1196	ETHYLTRICHLOROSILANE	3	II	8	T19	T6	TP2 TP13
1214	ISOBUTYLAMINE	3	II	8	T4	T6	TP1
1235	METHYLAMINE, AQUEOUS SOLUTION	3	II	8	T4	T6	TP1
1277	PROPYLAMINE	3	II	8	T13	T6	TP1
1289	SODIUM METHYLATE SOLUTION in alcohol	3	II	8	T4	T6	TP1 TP8
1296	TRIETHYLAMINE	3	II	8	T4	T6	TP1
1297	TRIMETHYLAMINE, AQUEOUS SOLUTION, not more than 50% trimethylamine, by mass	3	II	8	T13	T6	TP1
1298	TRIMETHYLCHLOROSILANE	3	II	8	T17	T6	TP2 TP13
1717	ACETYL CHLORIDE	3	II	8	T20	T6	TP2 TP12
1723	ALLYL IODIDE	3	II	8	T16	T6	TP2
1815	PROPIONYL CHLORIDE	3	II	8	T7	T6	TP1
1922	PYRROLIDINE	3	II	8	T2	T6	TP1
2266	DIMETHYL-N-PROPYLAMINE	3	II	8	T17	T6	TP2 TP13

UN #	NAME	CLASS	PG	SUB-RISK	OLD T-CODE	RAT.APP. CODE	TP NOTE
2270	ETHYLAMINE, AQUEOUS SOLUTION with not less than 50% but not more than 70% ethylamine	3	II	8	T13	T6	TP1
2353	BUTYRYL CHLORIDE	3	II	8	T8	T6	TP2 TP12 TP13
2379	1,3-DIMETHYLBUTYLAMINE	3	II	8	T4	T6	TP1
2383	DIPROPYLAMINE	3	II	8	T4	T6	TP1
2386	1-ETHYLPIPERIDINE	3	II	8	T4	T6	TP1
2395	ISOBUTYRYL CHLORIDE	3	II	8	T8	T6	TP2
2399	1-METHYLPIPERIDINE	3	II	8	T4	T6	TP1
2493	HEXAMETHYLENEIMINE	3	II	8	T4	T6	TP1
2535	4-METHYLMORPHOLINE (N-METHYLMORPHOLINE)	3	II	8	T4	T6	TP1
2733	AMINES, FLAMMABLE, CORROSIVE, N.O.S. or POLYAMINES, FLAMMABLE, CORROSIVE, N.O.S.	3	II	8	T4	T6	TP1
2924	FLAMMABLE LIQUID, CORROSIVE, N.O.S.	3	II	8	T19	T6	TP2
2945	N-METHYLBUTYLAMINE	3	II	8	T4	T6	TP1
2985	CHLOROSILANES, FLAMMABLE, CORROSIVE, N.O.S.	3	II	8	T13	T6	TP2 TP13
1104	AMYL ACETATES	3	III		T2	T2	TP1
1105	PENTANOLS	3	III		T2	T2	TP1
1109	AMYL FORMATES	3	III		T2	T2	TP1
1110	n-AMYL METHYL KETONE	3	III		T2	T2	TP1
1112	AMYL NITRATE	3	III		T2	T2	TP1
1120	BUTANOLS	3	III		T2	T2	TP1
1123	BUTYL ACETATES	3	III		T2	T2	TP1
1130	CAMPHOR OIL	3	III		T2	T2	TP1
1133	ADHESIVES containing flammable liquid	3	III		T2	T2	TP1
1134	CHLOROBENZENE	3	III		T2	T2	TP1
1136	COAL TAR DISTILLATES, FLAMMABLE	3	III		T4	T2	TP1
1139	COATING SOLUTION (includes surface treatments or coatings used for industrial or other purposes such as vehicle undercoating, drum or barrel lining)	3	III		T2	T2	TP1
1147	DECAHYDRONAPHTHALENE	3	III		T2	T2	TP1
1148	DIACETONE ALCOHOL	3	III		T2	T2	TP1
1149	DIBUTYL ETHERS	3	III		T2	T2	TP1
1152	DICHLOROPENTANES	3	III		T2	T2	TP1
1153	ETHYLENE GLYCOL DIETHYL ETHER	3	III		T2	T2	TP1

UN #	NAME	CLASS	PG	SUB-RISK	OLD T-CODE	RAT.APP. CODE	TP NOTE
1157	DIISOBUTYL KETONE	3	III		T2	T2	TP1
1169	EXTRACTS, AROMATIC, LIQUID	3	III		T2	T2	TP1
1170	ETHANOL (ETHYL ALCOHOL) or ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)	3	III		T2	T2	TP1
1171	ETHYLENE GLYCOL MONOETHYL ETHER	3	III		T2	T2	TP1
1172	ETHYLENE GLYCOL MONOETHYL ETHER ACETATE	3	III		T2	T2	TP1
1177	ETHYLBUTYL ACETATE	3	III		T2	T2	TP1
1180	ETHYL BUTYRATE	3	III		T2	T2	TP1
1188	ETHYLENE GLYCOL MONOMETHYL ETHER	3	III		T2	T2	TP1
1189	ETHYLENE GLYCOL MONOMETHYL ETHER ACETATE	3	III		T2	T2	TP1
1191	OCTYL ALDEHYDES	3	III		T2	T2	TP1
1192	ETHYL LACTATE	3	III		T2	T2	TP1
1197	EXTRACTS, FLAVOURING, LIQUID	3	III		T2	T2	TP1
1201	FUSEL OIL	3	III		T2	T2	TP1
1202	GAS OIL or DIESEL FUEL or HEATING OIL LIGHT	3	III		T2	T2	TP1
1207	HEXALDEHYDE	3	III		T2	T2	TP1
1210	PRINTING INK, flammable	3	III		T2	T2	TP1
1212	ISOBUTANOL (ISOBUTYL ALCOHOL)	3	III		T2	T2	TP1
1223	KEROSENE	3	III		T2	T2	TP2
1224	KETONES, LIQUID, N.O.S.	3	III		T2	T2	TP1
1229	MESITYL OXIDE	3	III		T2	T2	TP1
1233	METHYLAMYL ACETATE	3	III		T2	T2	TP1
1263	PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning or reducing compound)	3	III		T2	T2	TP1
1264	PARALDEHYDE	3	III		T2	T2	TP1
1266	PERFUMERY PRODUCTS with flammable solvents	3	III		T2	T2	TP1
1267	PETROLEUM CRUDE OIL	3	III		T2	T2	TP1
1268	PETROLEUM DISTILLATES, N.O.S. or PETROLEUM PRODUCTS, N.O.S.	3	III		T2	T2	TP1 TP9
1272	PINE OIL	3	III		T2	T2	TP1

UN #	NAME	CLASS	PG	SUB-RISK	OLD T-CODE	RAT.APP. CODE	TP NOTE
1274	n-PROPANOL (PROPYL ALCOHOL, NORMAL)	3	III		T2	T2	TP1
1286	ROSIN OIL	3	III		T2	T2	TP1
1287	RUBBER SOLUTION	3	III		T2	T2	TP1
1288	SHALE OIL	3	III		T2	T2	TP1
1292	TETRAETHYL SILICATE	3	III		T2	T2	TP1
1293	TINCTURES, MEDICINAL	3	III		T2	T2	TP1
1299	TURPENTINE	3	III		T2	T2	TP1
1300	TURPENTINE SUBSTITUTE	3	III		T2	T2	TP1
1306	WOOD PRESERVATIVES, LIQUID	3	III		T2	T2	TP1
1307	XYLENES	3	III		T2	T2	TP1
1863	FUEL, AVIATION, TURBINE ENGINE	3	III		T2	T2	TP1
1866	RESIN SOLUTION, flammable	3	III		T2	T2	TP1
1914	BUTYL PROPIONATES	3	III		T2	T2	TP1
1915	CYCLOHEXANONE	3	III		T2	T2	TP1
1918	ISOPROPYLBENZENE	3	III		T2	T2	TP1
1920	NONANES	3	III		T2	T2	TP1
1987	ALCOHOLS, N.O.S.	3	III		T2	T2	TP1
1989	ALDEHYDES, N.O.S.	3	III		T2	T2	TP1
1993	FLAMMABLE LIQUID, N.O.S.	3	III		T2	T2	TP1
1999	TARS, LIQUID, including road asphalt and oils, bitumen and cut backs	3	III		T2	T2	TP1
2046	CYMENES	3	III		T2	T2	TP1
2047	DICHLOROPROPENES	3	III		T2	T2	TP1
2048	DICYCLOPENTADIENE	3	III		T2	T2	TP1
2049	DIETHYLBENZENE	3	III		T2	T2	TP1
2052	DIPENTENE	3	III		T2	T2	TP1
2053	METHYL ISOBUTYL CARBINOL	3	III		T2	T2	TP1
2054	MORPHOLINE	3	III		T2	T2	TP1
2055	STYRENE MONOMER, INHIBITED	3	III		T2	T2	TP1
2057	TRIPROPYLENE	3	III		T2	T2	TP1
2059	NITROCELLULOSE SOLUTION, FLAMMABLE with not more than 12.6% nitrogen, by dry mass, and not more than 55% nitrocellulose	3	III		T2	T2	TP1
2219	ALLYL GLYCIDYL ETHER	3	III		T4	T2	TP1
2222	ANISOLE	3	III		T2	T2	TP1
2227	n-BUTYL METHACRYLATE, INHIBITED	3	III		T2	T2	TP1
2234	CHLOROBENZOTRIFLUORIDES	3	III		T2	T2	TP1
2238	CHLOROTOLUENES	3	III		T2	T2	TP1
2243	CYCLOHEXYL ACETATE	3	III		T2	T2	TP1

UN #	NAME	CLASS	PG	SUB-RISK	OLD T-CODE	RAT.APP. CODE	TP NOTE
2244	CYCLOPENTANOL	3	III		T2	T2	TP1
2245	CYCLOPENTANONE	3	III		T2	T2	TP1
2247	n-DECANE	3	III		T2	T2	TP1
2265	N,N-DIMETHYLFORMAMIDE	3	III		T2	T2	TP2
2271	ETHYL AMYL KETONE	3	III		T2	T2	TP1
2275	2-ETHYLBUTANOL	3	III		T2	T2	TP1
2282	HEXANOLS	3	III		T2	T2	TP1
2283	ISOBUTYL METHACRYLATE, INHIBITED	3	III		T2	T2	TP1
2286	PENTAMETHYLHEPTANE	3	III		T2	T2	TP1
2293	4-METHOXY-4-METHYLPENTAN-2-ONE	3	III		T2	T2	TP1
2297	METHYLCYCLOHEXANONE	3	III		T2	T2	TP1
2302	5-METHYLHEXAN-2-ONE	3	III		T2	T2	TP1
2303	ISOPROPENYLBENZENE	3	III		T2	T2	TP1
2313	PICOLINES	3	III		T4	T2	TP1
2319	TERPENE HYDROCARBONS, N.O.S.	3	III		T2	T2	TP1
2323	TRIETHYL PHOSPHITE	3	III		T2	T2	TP1
2324	TRIISOBUTYLENE	3	III		T4	T2	TP1
2325	1,3,5-TRIMETHYLBENZENE	3	III		T2	T2	TP1
2329	TRIMETHYL PHOSPHITE	3	III		T2	T2	TP1
2330	UNDECANE	3	III		T2	T2	TP1
2332	ACETALDEHYDE OXIME	3	III		T4	T2	TP1
2341	1-BROMO-3-METHYLBUTANE	3	III		T2	T2	TP1
2344	BROMOPROPANES	3	III		T2	T2	TP1
2348	BUTYL ACRYLATES, INHIBITED	3	III		T4	T2	TP1
2351	BUTYL NITRITES	3	III		T2	T2	TP1
2364	n-PROPYLBENZENE	3	III		T2	T2	TP1
2366	DIETHYL CARBONATE	3	III		T2	T2	TP1
2368	alpha-PINENE	3	III		T2	T2	TP1
2392	IODOPROPANES	3	III		T4	T2	TP1
2394	ISOBUTYL PROPIONATE	3	III		T2	T2	TP1
2405	ISOPROPYL BUTYRATE	3	III		T2	T2	TP1
2413	TETRAPROPYL ORTHOTITANATE	3	III		T4	T2	TP1
2498	1,2,3,6-TETRAHYDROBENZALDEHYDE	3	III		T2	T2	TP1
2514	BROMOBENZENE	3	III		T2	T2	TP1
2520	CYCLOOCTADIENES	3	III		T2	T2	TP1
2524	ETHYL ORTHOFORMATE	3	III		T2	T2	TP1
2527	ISOBUTYL ACRYLATE, INHIBITED	3	III		T2	T2	TP1
2528	ISOBUTYL ISOBUTYRATE	3	III		T2	T2	TP1
2541	TERPINOLENE	3	III		T2	T2	TP1

UN #	NAME	CLASS	PG	SUB-RISK	OLD T-CODE	RAT.APP. CODE	TP NOTE
2560	2-METHYLPENTAN-2-OL	3	III		T2	T2	TP1
2607	ACROLEIN DIMER, STABILIZED	3	III		T2	T2	TP1
2608	NITROPROPANES	3	III		T2	T2	TP1
2614	METHALLYL ALCOHOL	3	III		T2	T2	TP1
2616	TRIISOPROPYL BORATE	3	III		T2	T2	TP1
2617	METHYLCYCLOHEXANOLS, flammable	3	III		T2	T2	TP1
2618	VINYLTOLUENES, INHIBITED	3	III		T2	T2	TP1
2620	AMYL BUTYRATES	3	III		T2	T2	TP1
2621	ACETYL METHYL CARBINOL	3	III		T2	T2	TP1
2707	DIMETHYLDIOXANES	3	III		T2	T2	TP1
2709	BUTYLBENZENES	3	III		T2	T2	TP1
2710	DIPROPYL KETONE	3	III		T2	T2	TP1
2752	1,2-EPOXY-3-ETHOXYPROPANE	3	III		T2	T2	TP1
2840	BUTYRALDOXIME	3	III		T2	T2	TP1
2842	NITROETHANE	3	III		T4	T2	TP1
2850	PROPYLENE TETRAMER	3	III		T2	T2	TP1
2933	METHYL 2-CHLOROPROPIONATE	3	III		T4	T2	TP1
2934	ISOPROPYL 2-CHLOROPROPIONATE	3	III		T2	T2	TP1
2935	ETHYL 2-CHLOROPROPIONATE	3	III		T2	T2	TP1
2943	TETRAHYDROFURFURYLAMINE	3	III		T2	T2	TP1
2947	ISOPROPYL CHLOROACETATE	3	III		T2	T2	TP1
3054	CYCLOHEXYL MERCAPTAN	3	III		T2	T2	TP1
3056	n-HEPTALDEHYDE	3	III		T2	T2	TP1
3065	ALCOHOLIC BEVERAGES, with more than 24% but not more than 70% alcohol by volume	3	III		T2	T2	TP1
3092	1-METHOXY-2-PROPANOL	3	III		T2	T2	TP1
3256	ELEVATED TEMPERATURE LIQUID, FLAMMABLE, N.O.S. with flash point above 60.5 °C, at or above its flash point	3	III		T2	T2	TP3
3271	ETHERS, N.O.S.	3	III		T2	T2	TP1
3272	ESTERS, N.O.S.	3	III		T2	T2	TP1
3295	HYDROCARBONS, LIQUID, N.O.S.	3	III		T2	T2	TP1
3336	MERCAPTANS, LIQUID, FLAMMABLE, N.O.S. or MERCAPTAN MIXTURE, LIQUID, FLAMMABLE, N.O.S.	3	III		T2	T2	TP1

UN #	NAME	CLASS	PG	SUB-RISK	OLD T-CODE	RAT.APP. CODE	TP NOTE
1228	MERCAPTANS, LIQUID, FLAMMABLE, TOXIC, N.O.S. or MERCAPTAN MIXTURE, LIQUID, FLAMMABLE, TOXIC, N.O.S.	3	III	6.1	T4	T4	TP1
1992	FLAMMABLE LIQUID, TOXIC, N.O.S.	3	III	6.1	T16	T6	TP2
2310	PENTANE-2,4-DIONE	3	III	6.1	T2	T4	TP1
2478	ISOCYANATES, FLAMMABLE, TOXIC, N.O.S. or ISOCYANATE SOLUTION, FLAMMABLE, TOXIC, N.O.S.	3	III	6.1	T4	T4	TP1 TP13
2841	DI-n-AMYLAMINE	3	III	6.1	T4	T4	TP1
1106	AMYLAMINE	3	III	8	T2	T4	TP1
1198	FORMALDEHYDE SOLUTION, FLAMMABLE	3	III	8	T4	T4	TP1
1289	SODIUM METHYLATE SOLUTION in alcohol	3	III	8	T2	T4	TP1
1297	TRIMETHYLAMINE, AQUEOUS SOLUTION, not more than 50% trimethylamine, by mass	3	III	8	T13	T6	TP1
2260	TRIPROPYLAMINE	3	III	8	T4	T4	TP2
2276	2-ETHYLHEXYLAMINE	3	III	8	T2	T4	TP1
2361	DIISOBUTYLAMINE	3	III	8	T2	T4	TP1
2526	FURFURYLAMINE	3	III	8	T2	T4	TP1
2529	ISOBUTYRIC ACID	3	III	8	T2	T4	TP1
2530	ISOBUTYRIC ANHYDRIDE	3	III	8	T2	T4	TP1
2610	TRIALLYLAMINE	3	III	8	T2	T4	TP1
2684	DIETHYLAMINOPROPYLAMINE	3	III	8	T4	T4	TP1
2733	AMINES, FLAMMABLE, CORROSIVE, N.O.S. or POLYAMINES, FLAMMABLE, CORROSIVE, N.O.S.	3	III	8	T4	T4	TP1
2924	FLAMMABLE LIQUID, CORROSIVE, N.O.S.	3	III	8	T19	T6	TP2
1325	FLAMMABLE SOLID, ORGANIC, N.O.S.	4.1	II		T13	T2[T1?]	TP1
3176	FLAMMABLE SOLID, ORGANIC, MOLTEN, N.O.S.	4.1	II		T5	T4[T3?]	TP3
1325	FLAMMABLE SOLID, ORGANIC, N.O.S.	4.1	III		T13	T2[T1?]	TP1
1350	SULPHUR	4.1	III		T1	T1	TP1
2304	NAPHTHALENE, MOLTEN	4.1	III		T4	T4[T3?]	TP3
2448	SULPHUR, MOLTEN	4.1	III		T5	T4[T3?]	TP3
3176	FLAMMABLE SOLID, ORGANIC, MOLTEN, N.O.S.	4.1	III		T5	T4[T3?]	TP3
1366	DIETHYLZINC	4.2	I	4.3	T32	T15	TP2 TP7

UN #	NAME	CLASS	PG	SUB-RISK	OLD T-CODE	RAT.APP. CODE	TP NOTE
1370	DIMETHYLZINC	4.2	I	4.3	T32	T15	TP2 TP7
2003	METAL ALKYLS, WATER-REACTIVE, N.O.S. or METAL ARYLS, WATER-REACTIVE, N.O.S.	4.2	I	4.3	T32	T15	TP2 TP7
2445	LITHIUM ALKYLS	4.2	I	4.3	T32	T15	TP2
3049	METAL ALKYL HALIDES, WATER-REACTIVE, N.O.S. or METAL ARYL HALIDES, WATER-REACTIVE, N.O.S.	4.2	I	4.3	T32	T15	TP2 TP7
3050	METAL ALKYL HYDRIDES, WATER-REACTIVE, N.O.S. or METAL ARYL HYDRIDES, WATER-REACTIVE, N.O.S.	4.2	I	4.3	T32	T15	TP2 TP7
3051	ALUMINIUM ALKYLS	4.2	I	4.3	T32	T15	TP2 TP7
3052	ALUMINIUM ALKYL HALIDES	4.2	I	4.3	T32	T15	TP2 TP7
3053	MAGNESIUM ALKYLS	4.2	I	4.3	T32	T15	TP2 TP7
3076	ALUMINIUM ALKYL HYDRIDES	4.2	I	4.3	T32	T15	TP2
3203	PYROPHORIC ORGANOMETALLIC COMPOUND, WATER-REACTIVE, N.O.S.	4.2	I	4.3	T32	T15	TP2
1380	PENTABORANE	4.2	I	6.1		PIH*	
1381	PHOSPHORUS, WHITE or YELLOW, DRY or UNDER WATER or IN SOLUTION	4.2	I	6.1	T19	T15	TP3
2447	PHOSPHORUS, WHITE, MOLTEN	4.2	I	6.1	T19	T15	TP3 TP7
1422	POTASSIUM SODIUM ALLOYS	4.3	I		T19	T7	TP3
1428	SODIUM	4.3	I		T19	T7	TP3 TP7
2257	POTASSIUM	4.3	I		T19	T7	TP3
3207	ORGANOMETALLIC COMPOUND or COMPOUND SOLUTION or COMPOUND DISPERSION, WATER-REACTIVE, FLAMMABLE, N.O.S.	4.3	I	3	T32	T7	TP2
1183	ETHYLDICHLOROSILANE	4.3	I	3, 8	T20	T7	TP2 TP13
1242	METHYLDICHLOROSILANE	4.3	I	3, 8	T20	T7	TP2 TP13
1295	TRICHLOROSILANE	4.3	I	3, 8	T29	T11	TP2 TP13
2965	BORON TRIFLUORIDE DIMETHYL ETHERATE	4.3	I	3, 8	T20	T7	TP2
2988	CHLOROSILANES, WATER-REACTIVE, FLAMMABLE, CORROSIVE, N.O.S.	4.3	I	3, 8	T20	T7	TP2

UN #	NAME	CLASS	PG	SUB-RISK	OLD T-CODE	RAT.APP. CODE	TP NOTE
3207	ORGANOMETALLIC COMPOUND or COMPOUND SOLUTION or COMPOUND DISPERSION, WATER-REACTIVE, FLAMMABLE, N.O.S.	4.3	II	3	T32	[T15?]	TP2
3207	ORGANOMETALLIC COMPOUND or COMPOUND SOLUTION or COMPOUND DISPERSION, WATER-REACTIVE, FLAMMABLE, N.O.S.	4.3	III	3	T32	[T15?]	TP2
2426	AMMONIUM NITRATE, LIQUID (hot concentrated solution)	5.1			T14	T6	TP1 TP16 TP17
1510	TETRANITROMETHANE	5.1	I	6.1		PIH*	
1745	BROMINE PENTAFLUORIDE	5.1	I	6.1, 8	T23	PIH*	TP2 TP12 TP13
1746	BROMINE TRIFLUORIDE	5.1	I	6.1, 8	T23	PIH*	TP2 TP12 TP13
1873	PERCHLORIC ACID with more than 50% but not more than 72% acid, by mass	5.1	I	8	T11	T7	TP1 TP12
2015	HYDROGEN PEROXIDE, STABILIZED or HYDROGEN PEROXIDE, AQUEOUS SOLUTION, STABILIZED with more than 60% hydrogen peroxide	5.1	I	8	T15	T7	TP2 TP6 TP24
1459	CHLORATE AND MAGNESIUM CHLORIDE MIXTURE	5.1	II		T4	T4	TP1
2427	POTASSIUM CHLORATE, AQUEOUS SOLUTION	5.1	II		T4	T4	TP1
2428	SODIUM CHLORATE, AQUEOUS SOLUTION	5.1	II		T4	T4	TP1
2429	CALCIUM CHLORATE, AQUEOUS SOLUTION	5.1	II		T4	T4	TP1
3210	CHLORATES, INORGANIC, AQUEOUS SOLUTION, N.O.S.	5.1	II		T4	T4	TP1
3211	PERCHLORATES, INORGANIC, AQUEOUS SOLUTION, N.O.S.	5.1	II		T4	T4	TP1
3213	BROMATES, INORGANIC, AQUEOUS SOLUTION, N.O.S.	5.1	II		T4	T4	TP1
3214	PERMANGANATES, INORGANIC, AQUEOUS SOLUTION, N.O.S.	5.1	II		T4	T4	TP1
3218	NITRATES, INORGANIC, AQUEOUS SOLUTION, N.O.S.	5.1	II		T4	T4	TP1
3219	NITRITES, INORGANIC, AQUEOUS SOLUTION, N.O.S.	5.1	II		T4	T4	TP1
1445	BARIUM CHLORATE	5.1	II	6.1	T4	T4	TP1

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1447	BARIUM PERCHLORATE	5.1	II	6.1	T4	T4	TP1
1470	LEAD PERCHLORATE	5.1	II	6.1	T4	T4	TP1
2014	HYDROGEN PEROXIDE, AQUEOUS SOLUTION with not less than 20% but not more than 60% hydrogen peroxide (stabilized as necessary)	5.1	II	8	T13	T6	TP2 TP6 TP24
3149	HYDROGEN PEROXIDE AND PEROXYACETIC ACID MIXTURE with acid(s), water and not more than 5% peroxyacetic acid, STABILIZED	5.1	II	8	T14	T6	TP2 TP24
1459	CHLORATE AND MAGNESIUM CHLORIDE MIXTURE	5.1	III		T4	T4	TP1
2427	POTASSIUM CHLORATE, AQUEOUS SOLUTION	5.1	III		T4	T4	TP1
2428	SODIUM CHLORATE, AQUEOUS SOLUTION	5.1	III		T4	T4	TP1
2429	CALCIUM CHLORATE, AQUEOUS SOLUTION	5.1	III		T4	T4	TP1
2984	HYDROGEN PEROXIDE, AQUEOUS SOLUTION with not less than 8% but less than 20% hydrogen peroxide (stabilized as necessary)	5.1	III		T4	T4	TP1 TP24
3210	CHLORATES, INORGANIC, AQUEOUS SOLUTION, N.O.S.	5.1	III		T4	T4	TP1
3211	PERCHLORATES, INORGANIC, AQUEOUS SOLUTION, N.O.S.	5.1	III		T4	T4	TP1
3213	BROMATES, INORGANIC, AQUEOUS SOLUTION, N.O.S.	5.1	III		T4	T4	TP1
3216	PERSULPHATES, INORGANIC, AQUEOUS SOLUTION, N.O.S.	5.1	III		T2	T4	TP1
3218	NITRATES, INORGANIC, AQUEOUS SOLUTION, N.O.S.	5.1	III		T4	T4	TP1
3219	NITRITES, INORGANIC, AQUEOUS SOLUTION, N.O.S.	5.1	III		T4	T4	TP1
3109	ORGANIC PEROXIDE TYPE F, LIQUID	5.2			T34	T20	
3110	ORGANIC PEROXIDE TYPE F, SOLID	5.2			T34	T20	
3119	ORGANIC PEROXIDE TYPE F, LIQUID, TEMPERATURE CONTROLLED	5.2			T34	T20	
3120	ORGANIC PEROXIDE TYPE F, SOLID, TEMPERATURE CONTROLLED	5.2			T34	T20	
1541	ACETONE CYANOHYDRIN, STABILIZED	6.1	I		T20	PIH*	TP2

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1553	ARSENIC ACID, LIQUID	6.1	I		T22	T11	TP2 TP7 TP13
1560	ARSENIC TRICHLORIDE	6.1	I		T20	PIH*	TP2
1580	CHLOROPICRIN	6.1	I		T20	PIH*	TP2 TP13
1583	CHLOROPICRIN MIXTURE, N.O.S.	6.1	I			PIH*	
1605	ETHYLENE DIBROMIDE	6.1	I		T27	PIH*	TP2
1613	HYDROCYANIC ACID, AQUEOUS SOLUTION (HYDROGEN CYANIDE, AQUEOUS SOLUTION) with not more than 20% hydrogen cyanide	6.1	I		T20	PIH*	TP2 TP13
1614	HYDROGEN CYANIDE, STABILIZED, containing less than 3% water and absorbed in a porous inert material	6.1	I			PIH*	
1647	METHYL BROMIDE AND ETHYLENE DIBROMIDE MIXTURE, LIQUID	6.1	I			PIH*	
1649	MOTOR FUEL ANTI-KNOCK MIXTURE	6.1	I		T31	T11	TP2 TP13
1670	PERCHLOROMETHYL MERCAPTAN	6.1	I		T20	PIH*	TP2 TP13
1672	PHENYLCARBYLAMINE CHLORIDE	6.1	I		T20	PIH*	TP2 TP13
1680	POTASSIUM CYANIDE	6.1	I		T20	T11	TP2 TP13
1689	SODIUM CYANIDE	6.1	I		T20	T11	TP2 TP13
1694	BROMOBENZYL CYANIDES	6.1	I		T20	T11	TP2 TP13
1892	ETHYLDICHLOROARSINE	6.1	I		T29	PIH*	TP2 TP13
1935	CYANIDE SOLUTION, N.O.S.	6.1	I		T20	T11	TP2 TP13
2232	2-CHLOROETHANAL	6.1	I		T27	PIH*	TP2 TP13
2317	SODIUM CUPROCYANIDE SOLUTION	6.1	I		T7	T11	TP2 TP13
2644	METHYL IODIDE	6.1	I		T16	PIH*	TP2 TP13
2646	HEXACHLOROCYCLO-PENTADIENE	6.1	I		T20	PIH*	TP2 TP13
2788	ORGANOTIN COMPOUND, LIQUID, N.O.S.	6.1	I		T13	T11	TP2 TP9 TP13
2810	TOXIC LIQUID, ORGANIC, N.O.S.	6.1	I		T13	PIH*	TP2 TP9 TP13
2902	PESTICIDE, LIQUID, TOXIC, N.O.S.	6.1	I		T13	T11	TP2 TP9 TP13
2992	CARBAMATE PESTICIDE, LIQUID, TOXIC	6.1	I		T13	T11	TP2 TP9
2994	ARSENICAL PESTICIDE, LIQUID, TOXIC	6.1	I		T13	T11	TP2 TP9

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2996	ORGANOCHLORINE PESTICIDE, LIQUID, TOXIC	6.1	I		T13	T11	TP2 TP9
2998	TRIAZINE PESTICIDE, LIQUID, TOXIC	6.1	I		T13	T11	TP2 TP9
3006	THIOCARBAMATE PESTICIDE, LIQUID, TOXIC	6.1	I		T13	T11	TP2 TP9
3010	COPPER BASED PESTICIDE, LIQUID, TOXIC	6.1	I		T13	T11	TP2 TP9
3012	MERCURY BASED PESTICIDE, LIQUID, TOXIC	6.1	I		T13	T11	TP2 TP9
3014	SUBSTITUTED NITROPHENOL PESTICIDE, LIQUID, TOXIC	6.1	I		T13	T11	TP2 TP9
3016	BIPYRIDILIUM PESTICIDE, LIQUID, TOXIC	6.1	I		T13	T11	TP2 TP9
3018	ORGANOPHOSPHORUS PESTICIDE, LIQUID, TOXIC	6.1	I		T13	T11	TP2 TP9
3020	ORGANOTIN PESTICIDE, LIQUID, TOXIC	6.1	I		T13	T11	TP2 TP9
3276	NITRILES, TOXIC, N.O.S.	6.1	I		T13	PIH*	TP2 TP9
3278	ORGANOPHOSPHORUS COMPOUND, TOXIC, N.O.S.	6.1	I		T13	PIH*	TP2 TP9
3280	ORGANOARSENIC COMPOUND, N.O.S.	6.1	I		T13	PIH*	TP2 TP9
3281	METAL CARBONYLS, N.O.S.	6.1	I		T13	PIH*	TP2 TP9
3282	ORGANOMETALLIC COMPOUND, TOXIC N.O.S.	6.1	I		T13	T11	TP2 TP9
3283	SELENIUM COMPOUND, N.O.S.	6.1	I		T13	T11	TP2 TP9
3284	TELLURIUM COMPOUND, N.O.S.	6.1	I		T13	T11	TP2 TP9
3285	VANADIUM COMPOUND, N.O.S.	6.1	I		T13	T11	TP2 TP9
3287	TOXIC LIQUID, INORGANIC, N.O.S.	6.1	I		T13	PIH*	TP2 TP9
3348	PHENOXYACETIC ACID DERIVATIVE PESTICIDE, LIQUID, TOXIC	6.1	I		T13	T11	TP2, TP9
3352	PYRETHROID PESTICIDE, LIQUID, TOXIC	6.1	I		T13	T11	TP2, TP9
1051	HYDROGEN CYANIDE, STABILIZED containing less than 3% water	6.1	I	3		PIH*	
1092	ACROLEIN, INHIBITED	6.1	I	3	T20	PIH*	TP2 TP7 TP13
1098	ALLYL ALCOHOL	6.1	I	3	T16	PIH*	TP2 TP13
1135	ETHYLENE CHLOROHYDRIN	6.1	I	3	T27	PIH*	TP2
1143	CROTONALDEHYDE, STABILIZED	6.1	I	3	T16	PIH*	TP2 TP13
1185	ETHYLENEIMINE, INHIBITED	6.1	I	3		PIH*	

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1239	METHYL CHLOROMETHYL ETHER	6.1	I	3	T20	PIH*	TP2
1259	NICKEL CARBONYL	6.1	I	3		PIH*	
1994	IRON PENTACARBONYL	6.1	I	3		PIH*	
2295	METHYL CHLOROACETATE	6.1	I	3	T16	T11	TP2 TP13
2334	ALLYLAMINE	6.1	I	3	T20	PIH*	TP2 TP13
2337	PHENYL MERCAPTAN	6.1	I	3	T20	PIH*	TP2 TP13
2382	DIMETHYLHYDRAZINE, SYMMETRICAL	6.1	I	3	T20	PIH*	TP2 TP13
2477	METHYL ISOTHIOCYANATE	6.1	I	3	T20	PIH*	TP2 TP13
2480	METHYL ISOCYANATE	6.1	I	3		PIH*	
2482	n-PROPYL ISOCYANATE	6.1	I	3	T29	PIH*	TP2 TP13
2484	tert-BUTYL ISOCYANATE	6.1	I	3	T29	PIH*	TP2 TP13
2485	n-BUTYL ISOCYANATE	6.1	I	3	T26	PIH*	TP2 TP13
2487	PHENYL ISOCYANATE	6.1	I	3	T20	PIH*	TP2 TP13
2488	CYCLOHEXYL ISOCYANATE	6.1	I	3	T20	PIH*	TP2 TP13
2521	DIKETENE, INHIBITED	6.1	I	3	T16	PIH*	TP2
2558	EPIBROMOHYDRIN	6.1	I	3	T20	T11	TP2 TP13
2606	METHYL ORTHOSILICATE	6.1	I	3	T29	PIH*	TP2 TP13
2903	PESTICIDE, LIQUID, TOXIC, FLAMMABLE, N.O.S., flash point not less than 23 °C	6.1	I	3	T13	T11	TP2 TP9 TP13
2929	TOXIC LIQUID, FLAMMABLE, ORGANIC, N.O.S.	6.1	I	3	T15	PIH*	TP2 TP9
2991	CARBAMATE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	I	3	T13	T11	TP2 TP9
2993	ARSENICAL PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	I	3	T13	T11	TP2 TP9
2995	ORGANOCHLORINE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	I	3	T13	T11	TP2 TP9
2997	TRIAZINE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	I	3	T13	T11	TP2 TP9
3005	THIOCARBAMATE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	I	3	T13	T11	TP2 TP9
3009	COPPER BASED PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	I	3	T13	T11	TP2 TP9
3011	MERCURY BASED PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	I	3	T13	T11	TP2 TP9

UN #	NAME	CLASS	PG	SUB-RISK	OLD T-CODE	RAT.APP. CODE	TP NOTE
3013	SUBSTITUTED NITROPHENOL PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	I	3	T13	T11	TP2 TP9
3015	BIPYRIDILIUM PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	I	3	T13	T11	TP2 TP9
3017	ORGANOPHOSPHORUS PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	I	3	T13	T11	TP2 TP9
3019	ORGANOTIN PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	I	3	T13	T11	TP2 TP9
3023	2-METHYL-2-HEPTANETHIOL	6.1	I	3	T20	PIH*	TP2 TP13
3275	NITRILES, TOXIC, FLAMMABLE, N.O.S.	6.1	I	3	T13	PIH*	TP2 TP9
3279	ORGANOPHOSPHORUS COMPOUND, TOXIC, FLAMMABLE, N.O.S.	6.1	I	3	T13	PIH*	TP2 TP9
3294	HYDROGEN CYANIDE, SOLUTION IN ALCOHOL with not more than 45% hydrogen cyanide	6.1	I	3	T20	PIH*	TP2
3347	PHENOXYACETIC ACID DERIVATIVE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	I	3	T13	T11	TP2, TP9
3351	PYRETHROID PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	I	3	T13	T11	TP2, TP9
1163	DIMETHYLHYDRAZINE, UNSYMMETRICAL	6.1	I	3, 8	T20	PIH*	TP2
1182	ETHYL CHLOROFORMATE	6.1	I	3, 8	T30	PIH*	TP2
1238	METHYL CHLOROFORMATE	6.1	I	3, 8	T30	PIH*	TP2 TP13
1244	METHYLHYDRAZINE	6.1	I	3, 8	T20	PIH*	TP2
1251	METHYL VINYL KETONE, STABILIZED	6.1	I	3, 8	T20	PIH*	TP2 TP13
1695	CHLOROACETONE, STABILIZED	6.1	I	3, 8	T30	PIH*	TP2 TP13
1722	ALLYL CHLOROFORMATE	6.1	I	3, 8	T29	PIH*	TP2 TP13
2407	ISOPROPYL CHLOROFORMATE	6.1	I	3, 8		PIH*	
2438	TRIMETHYLACETYL CHLORIDE	6.1	I	3, 8	T20	PIH*	TP2
2740	n-PROPYL CHLOROFORMATE	6.1	I	3, 8		PIH*	
3123	TOXIC LIQUID, WATER-REACTIVE, N.O.S.	6.1	I	4.3		PIH*	
3122	TOXIC LIQUID, OXIDIZING, N.O.S.	6.1	I	5.1		PIH*	

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1595	DIMETHYL SULPHATE	6.1	I	8	T20	PIH*	TP2 TP13
1752	CHLOROACETYL CHLORIDE	6.1	I	8	T20	PIH*	TP2
1809	PHOSPHORUS TRICHLORIDE	6.1	I	8	T20	PIH*	TP2 TP13
2927	TOXIC LIQUID, CORROSIVE, ORGANIC, N.O.S.	6.1	I	8		PIH*	
3246	METHANESULPHONYL CHLORIDE	6.1	I	8	T29	PIH*	TP2 TP12 TP13
3289	TOXIC LIQUID, CORROSIVE, INORGANIC, N.O.S.	6.1	I	8	T13	PIH*	TP2 TP9
1547	ANILINE	6.1	II		T4	T6	TP2
1577	CHLORODINITROBENZENES	6.1	II		T13	T6	TP2
1578	CHLORONITROBENZENES	6.1	II		T13	T6	TP2
1590	DICHLOROANILINES	6.1	II		T13	T6	TP2
1594	DIETHYL SULPHATE	6.1	II		T13	T6	TP2
1596	DINITROANILINES	6.1	II		T13	T6	TP2
1597	DINITROBENZENES	6.1	II		T13	T6	TP2
1598	DINITRO-o-CRESOL	6.1	II		T13	T6	TP2
1599	DINITROPHENOL SOLUTION	6.1	II		T4	T6	TP2
1600	DINITROTOLUENES, MOLTEN	6.1	II		T13	T6	TP2
1650	beta-NAPHTHYLAMINE	6.1	II		T9	T6	TP2
1658	NICOTINE SULPHATE, SOLID or NICOTINE SULPHATE SOLUTION	6.1	II		T13	T6	TP2
1661	NITROANILINES (o-, m-, p-)	6.1	II		T13	T6	TP2
1662	NITROBENZENE	6.1	II		T13	T6	TP2
1664	NITROTOLUENES (o-, m-, p-)	6.1	II		T13	T6	TP2
1665	NITROXYLENES (o-, m-, p-)	6.1	II		T13	T6	TP2
1669	PENTACHLOROETHANE	6.1	II		T13	T6	TP2
1671	PHENOL, SOLID	6.1	II		T13	T6	TP2
1686	SODIUM ARSENITE, AQUEOUS SOLUTION	6.1	II		T15	T6	TP2
1697	CHLOROACETOPHENONE	6.1	II		T14	T6	TP2 TP13
1701	XYLYL BROMIDE	6.1	II		T13	T6	TP2 TP13
1702	TETRACHLOROETHANE	6.1	II		T13	T6	TP2
1708	TOLUIDINES	6.1	II		T13	T6	TP2
1711	XYLIDINES	6.1	II		T13	T6	TP2
1843	AMMONIUM DINITRO-o-CRESOLATE	6.1	II		T4	T6	TP2
1846	CARBON TETRACHLORIDE	6.1	II		T4	T6	TP2
1886	BENZYLIDENE CHLORIDE	6.1	II		T4	T6	TP2
1891	ETHYL BROMIDE	6.1	II		T14	T6	TP2 TP13
1935	CYANIDE SOLUTION, N.O.S.	6.1	II		T20	T6	TP2 TP13
2018	CHLOROANILINES, SOLID	6.1	II		T13	T6	TP2
2019	CHLOROANILINES, LIQUID	6.1	II		T13	T6	TP2
2038	DINITROTOLUENES	6.1	II		T4	T6	TP2

UN #	NAME	CLASS	PG	SUB-RISK	OLD T-CODE	RAT.APP. CODE	TP NOTE
2075	CHLORAL, ANHYDROUS, INHIBITED	6.1	II		T13	T6	TP2
2078	TOLUENE DIISOCYANATE	6.1	II		T13	T6	TP2 TP13
2206	ISOCYANATES, TOXIC, N.O.S. or ISOCYANATE SOLUTION, TOXIC, N.O.S.	6.1	II		T15	T6	TP2 TP13
2224	BENZONITRILE	6.1	II		T13	T6	TP2
2253	N,N-DIMETHYLANILINE	6.1	II		T4	T6	TP2
2261	XYLENOLS	6.1	II		T4	T6	TP2
2281	HEXAMETHYLENE DIISOCYANATE	6.1	II		T13	T6	TP2
2306	NITROBENZOTRIFLUORIDES	6.1	II		T4	T6	TP2
2307	3-NITRO-4-CHLOROBENZOTRIFLUORIDE	6.1	II		T4	T6	TP2
2312	PHENOL, MOLTEN	6.1	II		T4	T6	TP3
2322	TRICHLOROBUTENE	6.1	II		T4	T6	TP2
2474	THIOPHOSGENE	6.1	II		T13	PIH*	TP2
2490	DICHLOROISOPROPYL ETHER	6.1	II		T4	T6	TP2
2501	TRIS-(1-AZIRIDINYL) PHOSPHINE OXIDE SOLUTION	6.1	II		T4	T6	TP2
2522	2-DIMETHYLAMINOETHYL METHACRYLATE	6.1	II		T4	T6	TP2
2542	TRIBUTYLAMINE	6.1	II		T4	T6	TP2
2552	HEXAFLUOROACETONE HYDRATE	6.1	II		T13	T6	TP2
2572	PHENYLHYDRAZINE	6.1	II		T4	T6	TP2
2574	TRICRESYL PHOSPHATE with more than 3% ortho isomer	6.1	II		T4	T6	TP2
2643	METHYL BROMOACETATE	6.1	II		T4	T6	TP2
2650	1,1-DICHLORO-1-NITROETHANE	6.1	II		T4	T6	TP2
2653	BENZYL IODIDE	6.1	II		T4	T6	TP2
2669	CHLOROCRESOLS	6.1	II		T4	T6	TP2
2690	N,n-BUTYLIMIDAZOLE	6.1	II		T4	T6	TP2
2738	N-BUTYLANILINE	6.1	II		T4	T6	TP2
2750	1,3-DICHLOROPROPANOL-2	6.1	II		T4	T6	TP2
2754	N-ETHYLTOLUIDINES	6.1	II		T13	T6	TP2
2788	ORGANOTIN COMPOUND, LIQUID, N.O.S.	6.1	II		T13	T6	TP2
2810	TOXIC LIQUID, ORGANIC, N.O.S.	6.1	II		T13	T6	TP2 TP13
2821	PHENOL SOLUTION	6.1	II		T13	T6	TP2
2822	2-CHLOROPYRIDINE	6.1	II		T13	T6	TP2
2839	ALDOL	6.1	II		T4	T6	TP2

UN #	NAME	CLASS	PG	SUB-RISK	OLD T-CODE	RAT.APP. CODE	TP NOTE
2872	DIBROMOCHLOROPROPANES	6.1	II		T4	T6	TP1
2902	PESTICIDE, LIQUID, TOXIC, N.O.S.	6.1	II		T13	T6	TP2 TP13
2936	THIOLACTIC ACID	6.1	II		T4	T6	TP2
2948	3-TRIFLUOROMETHYLANILINE	6.1	II		T13	T6	TP2
2966	THIOGLYCOL	6.1	II		T4	T6	TP2
2992	CARBAMATE PESTICIDE, LIQUID, TOXIC	6.1	II		T13	T6	TP2
2994	ARSENICAL PESTICIDE, LIQUID, TOXIC	6.1	II		T13	T6	TP2
2996	ORGANOCHLORINE PESTICIDE, LIQUID, TOXIC	6.1	II		T13	T6	TP2
2998	TRIAZINE PESTICIDE, LIQUID, TOXIC	6.1	II		T13	T6	TP2
3006	THIOCARBAMATE PESTICIDE, LIQUID, TOXIC	6.1	II		T13	T6	TP2
3009	COPPER BASED PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	II		T13	T6	TP2
3012	MERCURY BASED PESTICIDE, LIQUID, TOXIC	6.1	II		T13	T6	TP2
3014	SUBSTITUTED NITROPHENOL PESTICIDE, LIQUID, TOXIC	6.1	II		T13	T6	TP2
3016	BIPYRIDILIUM PESTICIDE, LIQUID, TOXIC	6.1	II		T13	T6	TP2
3018	ORGANOPHOSPHORUS PESTICIDE, LIQUID, TOXIC	6.1	II		T13	T6	TP2
3020	ORGANOTIN PESTICIDE, LIQUID, TOXIC	6.1	II		T13	T6	TP2
3276	NITRILES, TOXIC, N.O.S.	6.1	II		T13	T6	TP2
3278	ORGANOPHOSPHORUS COMPOUND, TOXIC, N.O.S.	6.1	II		T13	T6	TP2
3280	ORGANOARSENIC COMPOUND, N.O.S.	6.1	II		T13	T6	TP2
3281	METAL CARBONYLS, N.O.S.	6.1	II		T13	T6	TP2
3282	ORGANOMETALLIC COMPOUND, TOXIC N.O.S.	6.1	II		T13	T6	TP2
3283	SELENIUM COMPOUND, N.O.S.	6.1	II		T13	T6	TP2
3284	TELLURIUM COMPOUND, N.O.S.	6.1	II		T13	T6	TP2
3285	VANADIUM COMPOUND, N.O.S.	6.1	II		T13	T6	TP2
3287	TOXIC LIQUID, INORGANIC, N.O.S.	6.1	II		T13	T6	TP2

UN #	NAME	CLASS	PG	SUB-RISK	OLD T-CODE	RAT.APP. CODE	TP NOTE
3302	2-DIMETHYLAMINOETHYL ACRYLATE	6.1	II		T4	T6	TP2
3348	PHENOXYACETIC ACID DERIVATIVE PESTICIDE, LIQUID, TOXIC	6.1	II		T13	T6	TP2
3352	PYRETHROID PESTICIDE, LIQUID, TOXIC	6.1	II		T13	T6	TP2
1181	ETHYL CHLOROACETATE	6.1	II	3	T13	T6	TP2
1199	FURALDEHYDES	6.1	II	3	T4	T6	TP2
1545	ALLYL ISOTHIOCYANATE, INHIBITED	6.1	II	3	T14	T6	TP2
1569	BROMOACETONE	6.1	II	3	T14	PIH*	TP2 TP13
1603	ETHYL BROMOACETATE	6.1	II	3	T13	T6	TP2
1916	2,2'-DICHLORODIETHYL ETHER	6.1	II	3	T4	T6	TP2
2023	EPICHLOROHYDRIN	6.1	II	3	T13	T6	TP2 TP13
2285	ISOCYANATOBENZOTRI-FLUORIDES	6.1	II	3	T13	T6	TP2
2589	VINYL CHLOROACETATE	6.1	II	3	T13	T6	TP2
2611	PROPYLENE CHLOROHYDRIN	6.1	II	3	T5	T6	TP2 TP13
2668	CHLOROACETONITRILE	6.1	II	3	T4	PIH*	TP2
2903	PESTICIDE, LIQUID, TOXIC, FLAMMABLE, N.O.S., flash point not less than 23 °C	6.1	II	3	T13	T6	TP2 TP13
2929	TOXIC LIQUID, FLAMMABLE, ORGANIC, N.O.S.	6.1	II	3	T15	T6	TP2
2991	CARBAMATE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	II	3	T13	T6	TP2
2993	ARSENICAL PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	II	3	T13	T6	TP2
2995	ORGANOCHLORINE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	II	3	T13	T6	TP2
2997	TRIAZINE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	II	3	T13	T6	TP2
3005	THIOCARBAMATE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	II	3	T13	T6	TP2
3009	COPPER BASED PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	II	3	T13	T6	TP2

UN #	NAME	CLASS	PG	SUB-RISK	OLD T-CODE	RAT.APP. CODE	TP NOTE
3011	MERCURY BASED PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	II	3	T13	T6	TP2
3013	SUBSTITUTED NITROPHENOL PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	II	3	T13	T6	TP2
3015	BIPYRIDILIUM PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	II	3	T13	T6	TP2
3017	ORGANOPHOSPHORUS PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	II	3	T13	T6	TP2
3019	ORGANOTIN PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	II	3	T13	T6	TP2
3071	MERCAPTANS, LIQUID, TOXIC, FLAMMABLE, N.O.S. or MERCAPTAN MIXTURE, LIQUID, TOXIC, FLAMMABLE, N.O.S.	6.1	II	3	T13	T6	TP2
3080	ISOCYANATES, TOXIC, FLAMMABLE, N.O.S. or ISOCYANATE SOLUTION, TOXIC, FLAMMABLE, N.O.S.	6.1	II	3	T15	T6	TP2
3275	NITRILES, TOXIC, FLAMMABLE, N.O.S.	6.1	II	3	T13	T6	TP2
3279	ORGANOPHOSPHORUS COMPOUND, TOXIC, FLAMMABLE, N.O.S.	6.1	II	3	T13	T6	TP2
3347	PHENOXYACETIC ACID DERIVATIVE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	II	3	T13	T6	TP2
3351	PYRETHROID PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	II	3	T13	T6	TP2
2743	n-BUTYL CHLOROFORMATE	6.1	II	3, 8	T16	PIH*	TP2 TP13
2744	CYCLOBUTYL CHLOROFORMATE	6.1	II	3, 8	T16	T6	TP2 TP13
3073	VINYLPYRIDINES, INHIBITED	6.1	II	3, 8	T4	T6	TP2
1737	BENZYL BROMIDE	6.1	II	8	T9	T6	TP2 TP12 TP13

UN #	NAME	CLASS	PG	SUB-RISK	OLD T-CODE	RAT.APP. CODE	TP NOTE
1738	BENZYL CHLORIDE	6.1	II	8	T9	T6	TP2 TP12 TP13
1750	CHLOROACETIC ACID SOLUTION	6.1	II	8	T4	T6	TP2
2022	CRESYLIC ACID	6.1	II	8	T4	T6	TP2 TP13
2076	CRESOLS	6.1	II	8	T4	T6	TP2
2267	DIMETHYL THIOPHOSPHORYL CHLORIDE	6.1	II	8	T4	T6	TP2
2745	CHLOROMETHYL CHLOROFORMATE	6.1	II	8	T16	T6	TP2 TP13
2746	PHENYL CHLOROFORMATE	6.1	II	8	T6	T6	TP2 TP13
2748	2-ETHYLHEXYL CHLOROFORMATE	6.1	II	8	T6	T6	TP2 TP13
3250	CHLOROACETIC ACID, MOLTEN	6.1	II	8	T5	T6	TP3
3277	CHLOROFORMATES, TOXIC, CORROSIVE, N.O.S.	6.1	II	8	T9	T6	TP2 TP12 TP13
3289	TOXIC LIQUID, CORROSIVE, INORGANIC, N.O.S.	6.1	II	8	T13	T6	TP2
1591	o-DICHLOROBENZENE	6.1	III		T4	T4	TP1
1593	DICHLOROMETHANE	6.1	III		T13	T6	TP2
1599	DINITROPHENOL SOLUTION	6.1	III		T4	T4	TP1
1663	NITROPHENOLS (o-, m-, p-)	6.1	III		T4	T4	TP3
1673	PHENYLENEDIAMINES (o-, m-, p-)	6.1	III		T13	T6	TP1
1686	SODIUM ARSENITE, AQUEOUS SOLUTION	6.1	III		T15	T4	TP2
1690	SODIUM FLUORIDE	6.1	III		T4	T4	TP1
1709	2,4-TOLUYLENEDIAMINE	6.1	III		T3	T3	TP1
1710	TRICHLOROETHYLENE	6.1	III		T2	T4	TP1
1812	POTASSIUM FLUORIDE	6.1	III		T4	T4	TP1
1887	BROMOCHLOROMETHANE	6.1	III		T4	T4	TP1
1888	CHLOROFORM	6.1	III		T13	T6	TP2
1897	TETRACHLOROETHYLENE	6.1	III		T2	T4	TP1
1935	CYANIDE SOLUTION, N.O.S.	6.1	III		T20	T4	TP2 TP13
2021	CHLOROPHENOLS, LIQUID	6.1	III		T4	T4	TP1
2074	ACRYLAMIDE	6.1	III		T4	T4	TP1
2077	alpha-NAPHTHYLAMINE	6.1	III		T3	T4	TP1
2205	ADIPONITRILE	6.1	III		T1	T4	TP1
2206	ISOCYANATES, TOXIC, N.O.S. or ISOCYANATE SOLUTION, TOXIC, N.O.S.	6.1	III		T4	T4	TP1 TP13
2235	CHLOROBENZYL CHLORIDES	6.1	III		T4	T4	TP1

UN #	NAME	CLASS	PG	SUB-RISK	OLD T-CODE	RAT.APP. CODE	TP NOTE
2239	CHLOROTOLUIDINES	6.1	III		T3	T4	TP1
2272	N-ETHYLANILINE	6.1	III		T2	T4	TP1
2273	2-ETHYLANILINE	6.1	III		T2	T4	TP1
2274	N-ETHYL-N-BENZYLANILINE	6.1	III		T2	T4	TP1
2279	HEXACHLOROBUTADIENE	6.1	III		T4	T4	TP1
2290	ISOPHORONE DIISOCYANATE	6.1	III		T4	T4	TP2
2294	N-METHYLANILINE	6.1	III		T4	T4	TP1
2299	METHYL DICHLOROACETATE	6.1	III		T2	T4	TP1
2300	2-METHYL-5-ETHYLPYRIDINE	6.1	III		T4	T4	TP1
2311	PHENETIDINES	6.1	III		T4	T4	TP1
2321	TRICHLOROBENZENES, LIQUID	6.1	III		T4	T4	TP1
2328	TRIMETHYLHEXAMETHYLENE DIISOCYANATE	6.1	III		T4	T4	TP2 TP13
2431	ANISIDINES	6.1	III		T1	T3	TP1
2432	N,N-DIETHYLANILINE	6.1	III		T2	T4	TP1
2470	PHENYLACETONITRILE, LIQUID	6.1	III		T4	T4	TP1
2501	TRIS-(1-AZIRIDINYL) PHOSPHINE OXIDE SOLUTION	6.1	III		T4	T4	TP1
2504	TETRABROMOETHANE	6.1	III		T4	T4	TP1
2515	BROMOFORM	6.1	III		T4	T4	TP1
2518	1,5,9-CYCLODODECATRIENE	6.1	III		T4	T4	TP1
2525	ETHYL OXALATE	6.1	III		T1	T3	TP1
2533	METHYL TRICHLOROACETATE	6.1	III		T2	T4	TP1
2656	QUINOLINE	6.1	III		T4	T4	TP1
2661	HEXACHLOROACETONE	6.1	III		T4	T4	TP1
2662	HYDROQUINONE	6.1	III		T4	T4	TP1
2664	DIBROMOMETHANE	6.1	III		T4	T4	TP1
2667	BUTYLTOLUENES	6.1	III		T2	T4	TP1
2688	1-BROMO-3-CHLOROPROPANE	6.1	III		T2	T4	TP1
2689	GLYCEROL alpha-MONOCHLOROHYDRIN	6.1	III		T2	T4	TP1
2730	NITROANISOLE	6.1	III		T4	T4	TP1
2732	NITROBROMOBENZENE	6.1	III		T4	T4	TP1
2747	tert-BUTYLCYCLOHEXYL CHLOROFORMATE	6.1	III		T4	T4	TP1
2753	N-ETHYLBENZYLTOLUIDINES	6.1	III		T63	T6	TP1
2785	4-THIAPENTANAL	6.1	III		T4	T4	TP1
2788	ORGANOTIN COMPOUND, LIQUID, N.O.S.	6.1	III		T13	T4	TP2
2810	TOXIC LIQUID, ORGANIC, N.O.S.	6.1	III		T4	T4	TP1
2821	PHENOL SOLUTION	6.1	III		T4	T4	TP1
2831	1,1,1-TRICHLOROETHANE	6.1	III		T4	T4	TP1

UN #	NAME	CLASS	PG	SUB-RISK	OLD T-CODE	RAT.APP. CODE	TP NOTE
2849	3-CHLOROPROPANOL-1	6.1	III		T4	T4	TP1
2872	DIBROMOCHLOROPROPANES	6.1	III		T4	T4	TP1
2873	DIBUTYLAMINOETHANOL	6.1	III		T2	T4	TP1
2874	FURFURYL ALCOHOL	6.1	III		T2	T4	TP1
2902	PESTICIDE, LIQUID, TOXIC, N.O.S.	6.1	III		T13	T4	TP2 TP13
2937	alpha-METHYLBENZYL ALCOHOL	6.1	III		T1	T4	TP1
2941	FLUOROANILINES	6.1	III		T4	T4	TP1
2946	2-AMINO-5-DIETHYLAMINOPENTANE	6.1	III		T2	T4	TP1
2992	CARBAMATE PESTICIDE, LIQUID, TOXIC	6.1	III		T13	T4	TP2
2994	ARSENICAL PESTICIDE, LIQUID, TOXIC	6.1	III		T13	T4	TP2
2996	ORGANOCHLORINE PESTICIDE, LIQUID, TOXIC	6.1	III		T13	T4	TP2
2998	TRIAZINE PESTICIDE, LIQUID, TOXIC	6.1	III		T13	T4	TP2
3006	THIOCARBAMATE PESTICIDE, LIQUID, TOXIC	6.1	III		T13	T4	TP2
3009	COPPER BASED PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	III		T13	T4	TP2
3012	MERCURY BASED PESTICIDE, LIQUID, TOXIC	6.1	III		T13	T4	TP2
3014	SUBSTITUTED NITROPHENOL PESTICIDE, LIQUID, TOXIC	6.1	III		T13	T4	TP2
3016	BIPYRIDILIUM PESTICIDE, LIQUID, TOXIC	6.1	III		T13	T4	TP2
3018	ORGANOPHOSPHORUS PESTICIDE, LIQUID, TOXIC	6.1	III		T13	T4	TP2
3020	ORGANOTIN PESTICIDE, LIQUID, TOXIC	6.1	III		T13	T4	TP2
3276	NITRILES, TOXIC, N.O.S.	6.1	III		T4	T4	TP1
3278	ORGANOPHOSPHORUS COMPOUND, TOXIC, N.O.S.	6.1	III		T4	T4	TP1
3280	ORGANOARSENIC COMPOUND, N.O.S.	6.1	III		T4	T4	TP1
3281	METAL CARBONYLS, N.O.S.	6.1	III		T4	T4	TP1
3282	ORGANOMETALLIC COMPOUND, TOXIC N.O.S.	6.1	III		T4	T4	TP1
3283	SELENIUM COMPOUND, N.O.S.	6.1	III		T4	T4	TP1

UN #	NAME	CLASS	PG	SUB-RISK	OLD T-CODE	RAT.APP. CODE	TP NOTE
3284	TELLURIUM COMPOUND, N.O.S.	6.1	III		T4	T4	TP1
3285	VANADIUM COMPOUND, N.O.S.	6.1	III		T4	T4	TP1
3287	TOXIC LIQUID, INORGANIC, N.O.S.	6.1	III		T4	T4	TP1
3293	HYDRAZINE,AQUEOUS SOLUTION with not more than 37% hydrazine, by mass	6.1	III		T4	T4	TP1
3348	PHENOXYACETIC ACID DERIVATIVE PESTICIDE, LIQUID, TOXIC	6.1	III		T13	T4	TP2
3352	PYRETHROID PESTICIDE, LIQUID, TOXIC	6.1	III		T13	T4	TP2
2903	PESTICIDE, LIQUID, TOXIC, FLAMMABLE, N.O.S., flash point not less than 23 °C	6.1	III	3	T13	T4	TP2 TP13
2991	CARBAMATE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	III	3	T13	T4	TP2
2993	ARSENICAL PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	III	3	T13	T4	TP2
2995	ORGANOCHLORINE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	III	3	T13	T4	TP2
2997	TRIAZINE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	III	3	T13	T4	TP2
3005	THIOCARBAMATE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	III	3	T13	T4	TP2
3009	COPPER BASED PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	III	3	T13	T4	TP2
3011	MERCURY BASED PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	III	3	T13	T4	TP2
3013	SUBSTITUTED NITROPHENOL PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	III	3	T13	T4	TP2
3015	BIPYRIDILIUM PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	III	3	T13	T4	TP2

UN #	NAME	CLASS	PG	SUB-RISK	OLD T-CODE	RAT.APP. CODE	TP NOTE
3017	ORGANOPHOSPHORUS PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	III	3	T13	T4	TP2
3019	ORGANOTIN PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	III	3	T13	T4	TP2
3347	PHENOXYACETIC ACID DERIVATIVE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	III	3	T13	T4	TP2
3351	PYRETHROID PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	III	3	T13	T4	TP2
2912	RADIOACTIVE MATERIAL, LOW SPECIFIC ACTIVITY (LSA-I), non fissile or fissile-excepted	7			T6	T5	TP4
3321	RADIOACTIVE MATERIAL, LOW SPECIFIC ACTIVITY (LSA-II), non fissile or fissile-excepted	7			T6	T5	TP4
3322	RADIOACTIVE MATERIAL, LOW SPECIFIC ACTIVITY (LSA-III), non fissile or fissile-excepted	7			T6	T5	TP4
1739	BENZYL CHLOROFORMATE	8	I		T20	T8	TP2 TP12 TP13
1754	CHLOROSULPHONIC ACID (with or without sulphur trioxide)	8	I		T12	PIH*	TP2 TP12
1758	CHROMIUM OXYCHLORIDE	8	I		T9	T8	TP2 TP12
1760	CORROSIVE LIQUID, N.O.S.	8	I		T13	T8	TP2 TP9
1777	FLUOROSULPHONIC ACID	8	I		T12	T8	TP2 TP12
1798	NITROHYDROCHLORIC ACID	8	I		T22	T8	TP2 TP12 TP13
1828	SULPHUR CHLORIDES	8	I		T22	PIH*	TP2 TP12
1829	SULPHUR TRIOXIDE, INHIBITED or SULPHUR TRIOXIDE, STABILIZED	8	I		T22	PIH*	TP2 TP12
1834	SULPHURYL CHLORIDE	8	I		T22	PIH*	TP2 TP12
1836	THIONYL CHLORIDE	8	I		T22	T8	TP2 TP12 TP13
2240	CHROMOSULPHURIC ACID	8	I		T12	T8	TP2
2430	ALKYLPHENOLS, SOLID, N.O.S. (including C2-C12 homologues)	8	I		T4	T8	TP1 TP9
2444	VANADIUM TETRACHLORIDE	8	I		T7	T8	TP2

UN #	NAME	CLASS	PG	SUB-RISK	OLD T-CODE	RAT.APP. CODE	TP NOTE
2692	BORON TRIBROMIDE	8	I		T22	PIH*	TP2 TP12 TP13
2699	TRIFLUOROACETIC ACID	8	I		T22	T8	TP2 TP12
2735	AMINES, LIQUID, CORROSIVE, N.O.S. or POLYAMINES, LIQUID, CORROSIVE, N.O.S.	8	I		T4	T8	TP1 TP9
2801	DYE, LIQUID, CORROSIVE, N.O.S. or DYE INTERMEDIATE, LIQUID, CORROSIVE, N.O.S.	8	I		T13	T8	TP2
3145	ALKYLPHENOLS, LIQUID, N.O.S. (including C2-C12 homologues)	8	I		T4	T8	TP1 TP9
3264	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.	8	I		T13	T8	TP2
3265	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.	8	I		T13	T8	TP2
3266	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.	8	I		T13	T8	TP2
3267	CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S.	8	I		T13	T8	TP2
2401	PIPERIDINE	8	I	3	T18	T8	TP2
2604	BORON TRIFLUORIDE DIETHYL ETHERATE	8	I	3	T7	T8	TP2
2734	AMINES, LIQUID, CORROSIVE, FLAMMABLE, N.O.S. or POLYAMINES, LIQUID, CORROSIVE, FLAMMABLE, N.O.S.	8	I	3	T4	T8	TP2 TP9
2920	CORROSIVE LIQUID, FLAMMABLE, N.O.S.	8	I	3	T19	T8	TP2 TP9
1796	NITRATING ACID MIXTURE with more than 50% nitric acid	8	I	5.1	T12	T8	TP2
1826	NITRATING ACID MIXTURE, SPENT, with more than 50% nitric acid	8	I	5.1	T12	T8	TP2 TP12
2032	NITRIC ACID, RED FUMING	8	I	5.1, 6.1	T22	PIH*	TP2 TP12
1052	HYDROGEN FLUORIDE, ANHYDROUS	8	I	6.1	T30	PIH*	TP2
1744	BROMINE or BROMINE SOLUTION	8	I	6.1	T23	PIH*	TP2 TP10 TP12 TP13
1786	HYDROFLUORIC ACID AND SULPHURIC ACID MIXTURE	8	I	6.1	T22	T8	TP2 TP12 TP13

UN #	NAME	CLASS	PG	SUB-RISK	OLD T-CODE	RAT.APP. CODE	TP NOTE
1790	HYDROFLUORIC ACID, solution, with more than 60% hydrofluoric acid	8	I	6.1	T7	T8	TP2
1831	SULPHURIC ACID, FUMING	8	I	6.1	T22	PIH*	TP2 TP12
2031	NITRIC ACID, other than red fuming, with more than 70% nitric acid	8	I	6.1	T11	T8	TP2 TP12
2879	SELENIUM OXYCHLORIDE	8	I	6.1	T12	T8	TP2 TP12 TP13
2922	CORROSIVE LIQUID, TOXIC, N.O.S.	8	I	6.1	T22	T8	TP2
1716	ACETYL BROMIDE	8	II		T9	T6	TP2 TP12
1719	CAUSTIC ALKALI LIQUID, N.O.S.	8	II		T13	T6	TP2
1728	AMYLTRICHLOROSILANE	8	II		T7	T6	TP2 TP13
1729	ANISOYL CHLORIDE	8	II		T4	T6	TP2
1730	ANTIMONY PENTACHLORIDE, LIQUID	8	II		T7	T6	TP2
1731	ANTIMONY PENTACHLORIDE SOLUTION	8	II		T10	T6	TP2
1736	BENZOYL CHLORIDE	8	II		T8	T6	TP2 TP12 TP13
1742	BORON TRIFLUORIDE ACETIC ACID COMPLEX	8	II		T11	T6	TP2 TP12
1743	BORON TRIFLUORIDE PROPIONIC ACID COMPLEX	8	II		T11	T6	TP2 TP12
1753	CHLOROPHENYLTRICHLORO-SILANE	8	II		T7	T6	TP2
1755	CHROMIC ACID SOLUTION	8	II		T11	T6	TP2 TP12
1757	CHROMIC FLUORIDE SOLUTION	8	II		T4	T6	TP2
1760	CORROSIVE LIQUID, N.O.S.	8	II		T13	T6	TP2
1762	CYCLOHEXENYLTRICHLORO-SILANE	8	II		T7	T6	TP2 TP13
1763	CYCLOHEXYLTRICHLORO-SILANE	8	II		T7	T6	TP2 TP13
1764	DICHLOROACETIC ACID	8	II		T11	T6	TP2 TP12
1765	DICHLOROACETYL CHLORIDE	8	II		T7	T6	TP2
1766	DICHLOROPHENYLTRICHLORO-SILANE	8	II		T7	T6	TP2 TP13
1768	DIFLUOROPHOSPHORIC ACID, ANHYDROUS	8	II		T11	T6	TP2 TP12
1769	DIPHENYLDICHLOROSILANE	8	II		T7	T6	TP2 TP13
1771	DODECYLTRICHLOROSILANE	8	II		T7	T6	TP2 TP13
1775	FLUOROBORIC ACID	8	II		T21	T6	TP2
1776	FLUOROPHOSPHORIC ACID, ANHYDROUS	8	II		T11	T6	TP2 TP12

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1778	FLUOROSILICIC ACID	8	II		T11	T6	TP2 TP12
1779	FORMIC ACID	8	II		T4	T6	TP2
1780	FUMARYL CHLORIDE	8	II		T7	T6	TP2
1781	HEXADECYLTRICHLORO-SILANE	8	II		T4	T6	TP2
1782	HEXAFLUOROPHOSPHORIC ACID	8	II		T11	T6	TP2 TP12
1783	HEXAMETHYLENEDIAMINE SOLUTION	8	II		T4	T6	TP2
1784	HEXYLTRICHLOROSILANE	8	II		T7	T6	TP2 TP13
1787	HYDRIODIC ACID	8	II		T11	T6	TP2
1788	HYDROBROMIC ACID	8	II		T11	T6	TP2
1789	HYDROCHLORIC ACID	8	II		T11	T6	TP2 TP12
1791	HYPOCHLORITE SOLUTION	8	II		T4	T6	TP2 TP24
1792	IODINE MONOCHLORIDE	8	II		T7	T6	TP2
1796	NITRATING ACID MIXTURE with not more than 50% nitric acid	8	II		T12	T6	TP2 TP12 TP13
1799	NONYLTRICHLOROSILANE	8	II		T7	T6	TP2 TP13
1800	OCTADECYLTRICHLORO-SILANE	8	II		T4	T6	TP2 TP13
1801	OCTYLTRICHLOROSILANE	8	II		T7	T6	TP2 TP13
1803	PHENOLSULPHONIC ACID, LIQUID	8	II		T4	T6	TP2
1804	PHENYLTRICHLOROSILANE	8	II		T7	T6	TP2
1808	PHOSPHORUS TRIBROMIDE	8	II		T7	T6	TP2
1810	PHOSPHORUS OXYCHLORIDE	8	II		T7	PIH*	TP2
1814	POTASSIUM HYDROXIDE SOLUTION	8	II		T4	T6	TP2
1817	PYROSULPHURYL CHLORIDE	8	II		T11	T6	TP2 TP12
1818	SILICON TETRACHLORIDE	8	II		T20	T6	TP2 TP7
1819	SODIUM ALUMINATE SOLUTION	8	II		T4	T6	TP2
1824	SODIUM HYDROXIDE SOLUTION	8	II		T4	T6	TP2
1826	NITRATING ACID MIXTURE, SPENT, with not more than 50% nitric acid	8	II		T12	T6	TP2 TP12
1827	STANNIC CHLORIDE, ANHYDROUS	8	II		T7	T6	TP2
1830	SULPHURIC ACID with more than 51% acid	8	II		T11	T6	TP2 TP12
1832	SULPHURIC ACID, SPENT	8	II		T11	T6	TP2 TP12
1833	SULPHUROUS ACID	8	II		T4	T6	TP2

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1835	TETRAMETHYLAMMONIUM HYDROXIDE	8	II		T4	T6	TP2
1837	THIOPHOSPHORYL CHLORIDE	8	II		T6	T6	TP2
1838	TITANIUM TETRACHLORIDE	8	II		T9	PIH*	TP2 TP13
1849	SODIUM SULPHIDE, HYDRATED with not less than 30% water	8	II		T4	T6	TP2
1898	ACETYL IODIDE	8	II		T5	T6	TP2 TP13
1906	SLUDGE ACID	8	II		T11	T6	TP2 TP12
1908	CHLORITE SOLUTION	8	II		T4	T6	TP2 TP24
1938	BROMOACETIC ACID	8	II		T5	T6	TP2
1939	PHOSPHORUS OXYBROMIDE	8	II		T7	T6	TP2
1940	THIOGLYCOLIC ACID	8	II		T4	T6	TP2
2031	NITRIC ACID, other than red fuming, with not more than 70% nitric acid	8	II		T11	T6	TP2 TP12
2079	DIETHYLENETRIAMINE	8	II		T4	T6	TP2
2226	BENZOTRICHLORIDE	8	II		T15	T6	TP2
2259	TRIETHYLENETETRAMINE	8	II		T4	T6	TP2
2262	DIMETHYLCARBAMOYL CHLORIDE	8	II		T4	T6	TP2
2308	NITROSYLSULPHURIC ACID	8	II		T11	T6	TP2 TP12
2430	ALKYLPHENOLS, SOLID, N.O.S. (including C2-C12 homologues)	8	II		T4	T6	TP1
2434	DIBENZYLDICHLOROSILANE	8	II		T7	T6	TP2 TP13
2435	ETHYLPHENYLDICHLORO-SILANE	8	II		T7	T6	TP2 TP13
2437	METHYLPHENYLDICHLORO-SILANE	8	II		T7	T6	TP2
2442	TRICHLOROACETYL CHLORIDE	8	II		T8	PIH*	TP2
2443	VANADIUM OXYTRICHLORIDE	8	II		T7	T6	TP2
2513	BROMOACETYL BROMIDE	8	II		T8	T6	TP2 TP12
2564	TRICHLOROACETIC ACID SOLUTION	8	II		T4	T6	TP2
2571	ALKYLSULPHURIC ACIDS	8	II		T11	T6	TP2 TP13
2576	PHOSPHORUS OXYBROMIDE, MOLTEN	8	II		T10	T6	TP3 TP13
2577	PHENYLACETYL CHLORIDE	8	II		T7	T6	TP2
2584	ALKYSULPHONIC ACIDS, LIQUID or ARYLSULPHONIC ACIDS, LIQUID with more than 5% free sulphuric acid	8	II		T10	T6	TP2 TP13
2677	RUBIDIUM HYDROXIDE SOLUTION	8	II		T4	T6	TP2

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2679	LITHIUM HYDROXIDE SOLUTION	8	II		T4	T6	TP2
2681	CAESIUM HYDROXIDE SOLUTION	8	II		T4	T6	TP2
2705	1-PENTOL	8	II		T4	T6	TP2
2735	AMINES, LIQUID, CORROSIVE, N.O.S. or POLYAMINES, LIQUID, CORROSIVE, N.O.S.	8	II		T4	T6	TP1
2751	DIETHYLTHIOPHOSPHORYL CHLORIDE	8	II		T4	T6	TP2
2790	ACETIC ACID SOLUTION, not less than 50% but not more than 80% acid, by mass more than 10% and less than 50%, by mass	8	II		T4	T6	TP2
2796	SULPHURIC ACID with not more than 51% acid or BATTERY FLUID, ACID	8	II		T11	T6	TP2 TP12
2797	BATTERY FLUID, ALKALI	8	II		T4	T6	TP2
2798	PHENYLPHOSPHORUS DICHLORIDE	8	II		T7	T6	TP2
2799	PHENYLPHOSPHORUS THIODICHLORIDE	8	II		T7	T6	TP2
2801	DYE, LIQUID, CORROSIVE, N.O.S. or DYE INTERMEDIATE, LIQUID, CORROSIVE, N.O.S.	8	II		T13	T6	TP2
2837	BISULPHATES, AQUEOUS SOLUTION	8	II		T7	T6	TP2
2851	BORON TRIFLUORIDE DIHYDRATE	8	II		T11	T6	TP2
2987	CHLOROSILANES, CORROSIVE, N.O.S.	8	II		T13	T6	TP2
3066	PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning or reducing	8	II		T13	T6	TP2
3145	ALKYLPHENOLS, LIQUID, N.O.S. (including C2-C12 homologues)	8	II		T4	T6	TP1
3264	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.	8	II		T13	T6	TP2
3265	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.	8	II		T13	T6	TP2
3266	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.	8	II		T13	T6	TP2

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3267	CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S.	8	II		T13	T6	TP2
3320	SODIUM BOROHYDRIDE AND SODIUM HYDROXIDE SOLUTION, with not more than 12% sodium borohydride and not more than 40% sodium hydroxide by mass	8	II		T18	T6	TP2
1604	ETHYLENEDIAMINE	8	II	3	T13	T6	TP2
1715	ACETIC ANHYDRIDE	8	II	3	T4	T6	TP2
1724	ALLYLTRICHLOROSILANE, STABILIZED	8	II	3	T7	T6	TP2 TP13
1747	BUTYLTRICHLOROSILANE	8	II	3	T7	T6	TP2 TP13
1767	DIETHYLDICHLOROSILANE	8	II	3	T7	T6	TP2 TP13
1816	PROPYLTRICHLOROSILANE	8	II	3	T7	T6	TP2 TP13
2051	2-DIMETHYLAMINOETHANOL	8	II	3	T4	T6	TP2
2218	ACRYLIC ACID, INHIBITED	8	II	3	T4	T6	TP2
2248	DI-n-BUTYLAMINE	8	II	3	T4	T6	TP2
2258	1,2-PROPYLENEDIAMINE	8	II	3	T4	T6	TP2
2264	DIMETHYLCYCLOHEXYLAMINE	8	II	3	T4	T6	TP2
2357	CYCLOHEXYLAMINE	8	II	3	T7	T6	TP2
2502	VALERYL CHLORIDE	8	II	3	T4	T6	TP2
2619	BENZYLDIMETHYLAMINE	8	II	3	T2	T6	TP2
2685	N,N-DIETHYLETHYLENEDIAMINE	8	II	3	T4	T6	TP2
2686	2-DIETHYLAMINOETHANOL	8	II	3	T4	T6	TP2
2734	AMINES, LIQUID, CORROSIVE, FLAMMABLE, N.O.S. or POLYAMINES, LIQUID, CORROSIVE, FLAMMABLE, N.O.S.	8	II	3	T4	T6	TP2
2789	ACETIC ACID, GLACIAL or ACETIC ACID SOLUTION, more than 80% acid, by mass	8	II	3	T4	T6	TP2
2826	ETHYL CHLOROTHIOFORMATE	8	II	3	T13	PIH*	TP2
2920	CORROSIVE LIQUID, FLAMMABLE, N.O.S.	8	II	3	T19	T6	TP2
2986	CHLOROSILANES, CORROSIVE, FLAMMABLE, N.O.S.	8	II	3	T18	T6	TP2
2683	AMMONIUM SULPHIDE SOLUTION	8	II	3, 6.1	T13	T6	TP2 TP13
1802	PERCHLORIC ACID with not more than 50% acid, by mass	8	II	5.1	T5	T6	TP2
1732	ANTIMONY PENTAFLUORIDE	8	II	6.1	T9	T6	TP2

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1761	CUPRIETHYLENEDIAMINE SOLUTION	8	II	6.1	T7	T6	TP2
1790	HYDROFLUORIC ACID, solution, with not more than 40% hydrofluoric acid	8	II	6.1	T7	T6	TP2
1811	POTASSIUM HYDROGENDIFLUORIDE	8	II	6.1	T4	T6	TP2
2030	HYDRAZINE HYDRATE or HYDRAZINE, AQUEOUS SOLUTION with not less than 37% but not more than 64% hydrazine, by mass	8	II	6.1	T15	T6	TP2 TP13
2817	AMMONIUM HYDROGENDIFLUORIDE SOLUTION	8	II	6.1	T15	T6	TP2 TP12 TP13
2818	AMMONIUM POLYSULPHIDE SOLUTION	8	II	6.1	T13	T6	TP2 TP13
2922	CORROSIVE LIQUID, TOXIC, N.O.S.	8	II	6.1	T20	T6	TP2
1718	BUTYL ACID PHOSPHATE	8	III		T4	T4	TP1
1719	CAUSTIC ALKALI LIQUID, N.O.S.	8	III		T4	T4	TP1
1731	ANTIMONY PENTACHLORIDE SOLUTION	8	III		T7	T4	TP1
1755	CHROMIC ACID SOLUTION	8	III		T7	T4	TP1 TP12
1757	CHROMIC FLUORIDE SOLUTION	8	III		T4	T4	TP1
1760	CORROSIVE LIQUID, N.O.S.	8	III		T4	T4	TP1
1783	HEXAMETHYLENEDIAMINE SOLUTION	8	III		T4	T4	TP1
1787	HYDRIODIC ACID	8	III		T7	T4	TP1
1787	HYDRIODIC ACID	8	III		T7	T4	TP1
1789	HYDROCHLORIC ACID	8	III		T7	T4	TP1 TP12
1791	HYPOCHLORITE SOLUTION	8	III		T4	T4	TP2 TP12 TP24
1793	ISOPROPYL ACID PHOSPHATE	8	III		T3	T3	TP1
1805	PHOSPHORIC ACID	8	III		T4	T4	TP1
1814	POTASSIUM HYDROXIDE SOLUTION	8	III		T4	T4	TP1
1819	SODIUM ALUMINATE SOLUTION	8	III		T4	T4	TP1
1824	SODIUM HYDROXIDE SOLUTION	8	III		T4	T4	TP1
1840	ZINC CHLORIDE SOLUTION	8	III		T4	T4	TP1
1848	PROPIONIC ACID	8	III		T4	T4	TP1

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1902	DIISOOCTYL ACID PHOSPHATE	8	III		T3	T3	TP1
1908	CHLORITE SOLUTION	8	III		T4	T4	TP2 TP24
2209	FORMALDEHYDE SOLUTION with not less than 25% formaldehyde	8	III		T2	T4	TP1
2214	PHTHALIC ANHYDRIDE with more than 0.05% of maleic anhydride	8	III		T4	T4	TP3
2215	MALEIC ANHYDRIDE	8	III		T4	T4	TP3
2225	BENZENESULPHONYL CHLORIDE	8	III		T4	T4	TP1
2269	3,3'-IMINODIPROPYLAMINE	8	III		T4	T4	TP2
2289	ISOPHORONEDIAMINE	8	III		T4	T4	TP1
2320	TETRAETHYLENEPENTAMINE	8	III		T2	T4	TP1
2326	TRIMETHYLCYCLOHEXYLA-MINE	8	III		T2	T4	TP1
2327	TRIMETHYLHEXAMETHYLENE-DIAMINES	8	III		T4	T4	TP1
2430	ALKYLPHENOLS, SOLID, N.O.S. (including C2-C12 homologues)	8	III		T4	T4	TP1
2491	ETHANOLAMINE or ETHANOLAMINE SOLUTION	8	III		T4	T4	TP1
2496	PROPIONIC ANHYDRIDE	8	III		T2	T4	TP1
2511	2-CHLOROPROPIONIC ACID	8	III		T4	T4	TP2
2531	METHACRYLIC ACID, INHIBITED	8	III		T4	T4	TP1 TP18
2564	TRICHLOROACETIC ACID SOLUTION	8	III		T4	T4	TP1
2565	DICYCLOHEXYLAMINE	8	III		T4	T4	TP1
2579	PIPERAZINE	8	III		T4	T4	TP1
2580	ALUMINIUM BROMIDE SOLUTION	8	III		T4	T4	TP1
2581	ALUMINIUM CHLORIDE SOLUTION	8	III		T4	T4	TP1
2582	FERRIC CHLORIDE SOLUTION	8	III		T4	T4	TP1
2586	ALKYLSULPHONIC ACIDS, LIQUID or ARYLSULPHONIC ACIDS, LIQUID with not more than 5% free sulphuric acid	8	III		T4	T4	TP1
2672	AMMONIA SOLUTION, relative density between 0.880 and 0.957 at 15 C in water, with more than 10% but not more than 35% ammonia	8	III		T13	T6	TP1
2677	RUBIDIUM HYDROXIDE SOLUTION	8	III		T4	T4	TP1

UN #	NAME	CLASS	PG	SUB-RISK	OLD T-CODE	RAT.APP. CODE	TP NOTE
2679	LITHIUM HYDROXIDE SOLUTION	8	III		T4	T4	TP2
2681	CAESIUM HYDROXIDE SOLUTION	8	III		T13	T4	TP1
2693	BISULPHITES, AQUEOUS SOLUTION, N.O.S.	8	III		T4	T4	TP1
2735	AMINES, LIQUID, CORROSIVE, N.O.S. or POLYAMINES, LIQUID, CORROSIVE, N.O.S.	8	III		T4	T4	TP1
2739	BUTYRIC ANHYDRIDE	8	III		T2	T4	TP1
2790	ACETIC ACID SOLUTION, not less than 50% but not more than 80% acid, by mass more than 10% and less than 50%, by mass	8	III		T4	T4	TP1
2801	DYE, LIQUID, CORROSIVE, N.O.S. or DYE INTERMEDIATE, LIQUID, CORROSIVE, N.O.S.	8	III		T4	T4	TP1
2815	N-AMINOETHYLPIPERAZINE	8	III		T4	T4	TP1
2819	AMYL ACID PHOSPHATE	8	III		T4	T4	TP1
2820	BUTYRIC ACID	8	III		T2	T4	TP1
2823	CROTONIC ACID	8	III		T13	T4	TP1
2829	CAPROIC ACID	8	III		T1	T3	TP1
2834	PHOSPHOROUS ACID	8	III		T3	T4	TP1
2837	BISULPHATES, AQUEOUS SOLUTION	8	III		T4	T4	TP1
3055	2-(2-AMINOETHOXY)ETHANOL	8	III		T2	T4	TP1
3066	PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning or reducing	8	III		T4	T4	TP1
3145	ALKYLPHENOLS, LIQUID, N.O.S. (including C2-C12 homologues)	8	III		T4	T4	TP1
3264	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.	8	III		T4	T4	TP1
3265	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.	8	III		T4	T4	TP1
3266	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.	8	III		T4	T4	TP1
3267	CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S.	8	III		T4	T3	TP1

UN #	NAME	CLASS	PG	SUB-RISK	OLD T-CODE	RAT.APP. CODE	TP NOTE
3320	SODIUM BOROHYDRIDE AND SODIUM HYDROXIDE SOLUTION, with not more than 12% sodium borohydride and not more than 40% sodium hydroxide by mass	8	III		T18	T4	TP2
1761	CUPRIETHYLENEDIAMINE SOLUTION	8	III	6.1	T4	T4	TP1
2817	AMMONIUM HYDROGENDIFLUORIDE SOLUTION	8	III	6.1	T4	T4	TP1 TP12 TP13
2818	AMMONIUM POLYSULPHIDE SOLUTION	8	III	6.1	T4	T4	TP1 TP13
2922	CORROSIVE LIQUID, TOXIC, N.O.S.	8	III	6.1	T4	T4	TP1
1941	DIBROMODIFLUOROMETHANE	9	III		T24	T9	TP2
1990	BENZALDEHYDE	9	III		T2	T2	TP1
3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.	9	III		T2	T2	TP1
3257	ELEVATED TEMPERATURE LIQUID, N.O.S., at or above 100 °C and below its flash point (including molten metals, molten salts, etc.)	9	III		T2	T2	TP3

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COMMITTEE OF EXPERTS ON THE TRANSPORT OF DANGEROUS GOODS

Sub-Committee of Experts on the Transport of Dangerous Goods
(Fourteenth session,
Geneva, 8-18 December 1997,
agenda item 2 (d))

DRAFT AMENDMENTS TO THE MODEL REGULATIONS ON THE TRANSPORT OF DANGEROUS GOODS

Other draft amendments

Segregation of dangerous goods

Transmitted by the Expert from the United States of America

1. The Sub-Committee will recall that at the ninth session, on the basis of a proposal from the expert from China, general segregation requirements were agreed to and these are currently located in 7.1.2 of the Model Regulations. At the time that these provisions were included, it was generally agreed that more comprehensive provisions could be included at a later date. While the Regulations provide specific segregation requirements for explosives, the current segregation requirements (see 7.1.2.3) for other classes of dangerous goods defer to modal regulations for further the particular segregation requirements.

2. The expert from the United States considers that it should be possible to include segregation requirements for other classes of dangerous goods in the Model Regulations that could be applicable to at least three modes of transport (i.e. road, rail and sea transport). These provisions would describe segregation requirements applicable to freight containers, road vehicles and rail wagons. Modal requirements would continue to deal with additional segregation requirements. Examples of such modal requirements include the location of rail wagons containing incompatible dangerous goods in a train; and in the case of transport by vessel, separation of goods not packed in transport units and separation of freight containers with incompatible dangerous goods.

3. It is expected that the development of segregation requirements for transport units could be accomplished over several sessions of the Sub-Committee. To provide a basis for discussion the expert from the United States offers segregation requirements drawn from US regulations. These requirements are shown in the annex to this paper. Once agreement is reached on the specifics of the segregation provisions appropriate text for including the provisions in the Regulations would need to be developed.

GE.97-24283

Annex

TABLE OF SEGREGATION

CLASS	NOTES	1.1	1.2	1.3	1.4	1.5	1.6	2.1	2.2	2.3 "A"	2.3 "B"	3	4.1	4.2	4.3	5.1	5.2	6.1 TIH IA	7	8 liquids only
1.1	A	*	*	*	*	*	*	X	X	X	X	X	X	X	X	X	X	X	X	X
1.2	A	*	*	*	*	*	*	X	X	X	X	X	X	X	X	X	X	X	X	X
1.3		*	*	*	*	*	*	X	X	X	X	X		X	X	X	X	X		X
1.4		*	*	*	*	*	*	O		O	O	O		O				O		O
1.5	A	*	*	*	*	*	*	X	X	X	X	X	X	X	X	X	X	X	X	X
1.6		*	*	*	*	*	*													
2.1		X	X	X	O	X				X	O							O	O	
2.2		X	X			X														
2.3 "A"		X	X	X	O	X		X				X	X	X	X	X	X			X
2.3 "B"		X	X	X	O	X		O				O	O	O	O	O	O			O
3		X	X	X	O	X				X	O					O		X		
4.1		X	X			X				X	O							X		O
4.2		X	X	X	O	X				X	O							X		X
4.3		X	X	X		X				X	O							X		O
5.1	A	X	X	X		X				X	O	O						X		O
5.2		X	X	X		X				X	O							X		O
6.1 TIH IA		X	X	X	O	X		O				X	X	X	X	X	X			X
7		X	X			X		O												
8		X	X	X	O	X				X	O		O	X	O	O	O	X		

Instructions for using the segregation table are as follows:

(1) The absence of any symbol indicates that no restrictions apply.

(2) The letter "X" in the Table indicates that these materials may not be loaded, transported, or stored together in the same transport vehicle or storage facility during the course of transportation.

(3) The letter "O" in the Table indicates that these materials may not be loaded, transported, or stored together in the same transport vehicle or storage facility during the course of transportation unless separated in a manner that, in the event of leakage from packages under conditions normally incident to transportation, commingling of dangerous goods would not occur. Notwithstanding the methods of separation employed, Class 8 (corrosive) liquids may not be loaded above or adjacent to Class 4 (flammable) or Class 5 (oxidizing) materials, except that shippers may load truckload shipments of such materials together when it is known that the mixture of contents would not cause a fire or a dangerous evolution of heat or gas.

(4) The "*" in the Table indicates that segregation among different Class 1 (explosive) materials is governed by separate compatibility provisions (see 7.1.3.1).

(5) The note "A" in the second column of the Table means that, notwithstanding the requirements of the letter "X", ammonium nitrate (UN 1942) and ammonium nitrate fertilizer may be loaded or stored with Division 1.1 (Class A explosive) or Division 1.5 (blasting agents) materials.

(6) When the Regulations require a package to bear a subsidiary hazard label, segregation appropriate to the subsidiary hazard must be applied when that segregation is more restrictive than that required by the primary hazard. However, dangerous goods of the same class may be stowed together without regard to segregation required for any secondary hazard if the materials are not capable of reacting dangerously with each other and causing combustion or dangerous evolution of heat, evolution of flammable, poisonous, or asphyxiant gases, or formation of corrosive or unstable materials.

(7) 2.3 A means the gas meets the criteria of Division 2.3 and has a toxicity of 250 ppm or less. 2.3 B means the gas meets the criteria of Division 2.3 and has a toxicity of more than 250 ppm but equal to or less than 1000 ppm. 6.1 TIH IA means the substance meets the inhalation toxicity criteria of Division 6.1 and has an inhalation toxicity of 250 ppm or less and the vapour pressure at 20 degrees Centigrade is greater than or equal to five hundred times the LC50.